



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

Australia Phone +61 3 9467 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 5215-9900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 400 121 000 +86 2153 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Singapore Phone +65 6744 3732
España Phone +34 93 480 31 00	South Korea Phone +82 2 786 6321/4
France Phone +33 1 64 62 35 00	Suomi Phone +358 9 25 15 800
Great Britain Phone +44 (0)1727 831521	Sverige Phone +46 10 110 10 00
India Phone +91-22-4033 8333	Taiwan Phone +886 2 2375 6288
Israel Phone +972 4 6801000	Türkiye Phone +90 (216) 528 50 00
Italia Phone +39 02 27 43 41	United Arab Emirates Phone +971 (0) 4 5565 878
Japan Phone +81 (03) 5309 2112	USA/Mexico Phone +1 952 941 6780
Magyarország Phone +36 1 371 2680	
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

821943

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De anførte produktets egenskaber og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

1. Physical layer

Note: The IO-Link Device's max. current consumption (inclusive load current) shall not exceed the master port's max. output power current.

SIO Modus	yes
Min Cycle Time	2.3 ms
Baudrate ²	COM3
Process Data Length (IN)	32 Byte
Process Data Length (OUT)	1 Byte
IO-Link version	V1.0.2
Valid for IO-Link version	1.1.0

2. Process data

Array¹: 32 Byte

Bitoffset	0	1	2	3
Byte/Name	Process Data In	see Index 67		
Type/Subindex	Array			
Bitoffset	4	5	6	7
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	8	9	10	11
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	12	13	14	15
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	16	17	18	19
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	20	21	22	23
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	24	25	26	27
Byte/Name	Process Data In			
Type/Subindex	Array			
Bitoffset	28	29	30	31
Byte/Name	Process Data In			
Type/Subindex	Array			
Record ³	1 Byte			
Bitoffset	0			
Byte/Name	see *Process Data Out			
Type/Subindex	1			

Reference: *Process Data Out

Bitoffset	7	6	5	4	3	2	1	0
Byte 0	Sender Off (Test)	Teach-In	Blocked Channels Hold (BCH)	Reserved	Reserved	Reserved	Reserved	Reserved
Type/Subindex	Boolean	Boolean	Boolean	Boolean	Boolean	Boolean	Boolean	Boolean

3. Service data

The following ISDUs will not be saved via Data-Storage: Device Specific Tag, Sender off (Test), Find Me, Guest Address Selector and Hardware Variant

IO-Link specific	Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
	12 (0x0C)	Device Access Locks	Record ³	2 Byte	rw			
	2 (0x02)	Data Storage Lock	Bit (1)	1 Bit	rw			
	4 (0x04)	Local User Interface Lock	Bit (3)	1 Bit	rw			
	16 (0x10)	Vendor Name	String	16 Byte	ro	SICK AG		
	17 (0x11)	Vendor Text	String	32 Byte	ro	www.sick.com		
	18 (0x12)	Product Name	String	64 Byte	ro	N/A		
	19 (0x13)	Product ID	String	13 Byte	ro	see Index 219		
	20 (0x14)	Product Text	String	64 Byte	ro	N/A		
	21 (0x15)	Serial Number	String	8 Byte	ro	N/A		
	22 (0x16)	Hardware Version	String	12 Byte	ro	N/A		
	23 (0x17)	Firmware Version	String	30 Byte	ro	N/A		
	24 (0x18)	Application Specific Tag	String	32 Byte	rw	*****		

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9467 0800</p> <p>Belgium, Luxembourg Phone +32 (0)2 468 35 66</p> <p>Brasil Phone +55 11 5025-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>Costa Rica Phone +502 2 57 91 18 50</p> <p>China Phone +86 4000 121 000 +852 2353 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 35 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magyarország Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch</p>	<p>Ostereich Phone +43 (0)22 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweden Phone +41 41 619 29 39</p> <p>Singapore Phone +65 6744 3732</p> <p>Sveits Phone +386 (0)147 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375-6288</p> <p>Türkiye Phone +90 (216) 528 50 00</p> <p>United Arab Emirates Phone +971 (0) 4 8865 878</p> <p>USA/Mexico Phone +1 952 941 6780</p>
---	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

ENGLISH

IO-Link specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
36 (0x24)	Device Status	UInt	8 Bit	ro	3	0 = Device is OK 1 = Maintenance required 2 = Out of specification 3 = Functional check 4 = Failure 5...255 = Reserved	
37 (0x25)	Detailed Device Status	Array ³	15 Byte	ro		Octet String [5]	
40 (0x28)	Process Data Input	PD In	32 Byte	ro			
41 (0x29)	Process Data Output	PD Out	1 Byte	ro			

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
64 (0x40)	Device Specific Tag	String	32 Byte	rw	*****		E.g. "Next service in 2025". Will not be stored in the Data Storage.
67 (0x43)	Process Data Definition	Record	32 Byte	rw			Each process data byte is a slot within the total process data stream and can be assigned with the given process data functions. If 'No Function' is selected (empty slot) the content is set to 0 via IO-Link. Via RS-485 interface empty slots are not sent.

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

¹ ro = read only, wo = write only, rw = read/write

² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³ Subindex access not supported



8023651 1019

FC

8389049
1759491538
9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 51 00
Brasil Phone +55 11 5215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2153 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweden Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Singapore Phone +65 6744 3732
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 831521	Suomi Phone +358 9 25 15 800
India Phone +91 22 4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972 4 6801000	Taiwan Phone +886 2 2375 6288
Italy Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 5865 878
Magnetsvizzera Phone +36 1 271 2680	USA/Mexico Phone +1 (952) 941 6780
Niederland Phone +31 (0)30 229 25 44	

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenter på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
1 (0x01)	Byte 1	Bit (248)	8 Bit	rw		0 = No Function 1 = System Status 2 = Pin Status 3 = Qint 1...8 4 = Qint 9...16 5 = Logic 1...8 11 = Channel 1...8 12 = Channel 9...16 13 = Channel 17...24 14 = Channel 25...32 15 = Channel 33...40 16 = Channel 41...48 17 = Channel 49...56 18 = Channel 57...64 19 = Channel 65...72 20 = Channel 73...80 21 = Channel 81...88 22 = Channel 89...96 23 = Channel 97...104 24 = Channel 105...112 25 = Channel 113...120 26 = Channel 121...128 27 = Channel 129...136 28 = Channel 137...144 29 = Channel 145...152 30 = Channel 153...160 31 = Channel 161...168 32 = Channel 169...176 33 = Channel 177...184 34 = Channel 185...192 35 = Channel 193...200 36 = Channel 201...208 37 = Channel 209...216 38 = Channel 217...224 39 = Channel 225...232 40 = Channel 233...240 41 = Channel 241...248 42 = Channel 249...255 44 = Number Channels Blocked (NCB) of Zone 1 45 = Number Channels Blocked (NCB) of Zone 2 46 = Number Channels Blocked (NCB) of Zone 3 47 = Number Channels Blocked (NCB) of Zone 4 48 = Number Channels Blocked (NCB) of Zone 5 49 = Number Channels Blocked (NCB) of Zone 6 50 = Number Channels Blocked (NCB) of Zone 7 51 = Number Channels Blocked (NCB) of Zone 8 52 = Number Channels Blocked (NCB) of Zone 9 53 = Number Channels Blocked (NCB) of Zone 10 54 = Number Channels Blocked (NCB) of Zone 11 55 = Number Channels Blocked (NCB) of Zone 12 56 = Number Channels Blocked (NCB) of Zone 13 57 = Number Channels Blocked (NCB) of Zone 14 58 = Number Channels Blocked (NCB) of Zone 15 59 = Number Channels Blocked (NCB) of Zone 16 60 = First Channel Blocked (FCB) of Zone 1 61 = First Channel Blocked (FCB) of Zone 2 62 = First Channel Blocked (FCB) of Zone 3 63 = First Channel Blocked (FCB) of Zone 4 64 = First Channel Blocked (FCB) of Zone 5 65 = First Channel Blocked (FCB) of Zone 6 66 = First Channel Blocked (FCB) of Zone 7 67 = First Channel Blocked (FCB) of Zone 8 68 = First Channel Blocked (FCB) of Zone 9 69 = First Channel Blocked (FCB) of Zone 10 70 = First Channel Blocked (FCB) of Zone 11 71 = First Channel Blocked (FCB) of Zone 12 72 = First Channel Blocked (FCB) of Zone 13 73 = First Channel Blocked (FCB) of Zone 14 74 = First Channel Blocked (FCB) of Zone 15 75 = First Channel Blocked (FCB) of Zone 16 76 = Last Channel Blocked (LCB) of Zone 1 77 = Last Channel Blocked (LCB) of Zone 2 78 = Last Channel Blocked (LCB) of Zone 3 79 = Last Channel Blocked (LCB) of Zone 4 80 = Last Channel Blocked (LCB) of Zone 5 81 = Last Channel Blocked (LCB) of Zone 6 82 = Last Channel Blocked (LCB) of Zone 7 83 = Last Channel Blocked (LCB) of Zone 8 84 = Last Channel Blocked (LCB) of Zone 9 85 = Last Channel Blocked (LCB) of Zone 10 86 = Last Channel Blocked (LCB) of Zone 11 87 = Last Channel Blocked (LCB) of Zone 12 88 = Last Channel Blocked (LCB) of Zone 13 89 = Last Channel Blocked (LCB) of Zone 14 90 = Last Channel Blocked (LCB) of Zone 15 91 = Last Channel Blocked (LCB) of Zone 16	Byte 1 to Byte 32 have the same value definition
71 (0x47)	Auto Teach-in	Bool	1 Bit	rw	0	true = Enabled false = Disabled	If set to true a teach-in is executed once during system startup. Teach-in can also be applied via "Standard Command" (index 2) value 160.

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported

SICK

8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9467 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 35 66</p> <p>Brasil Phone +55 11 3215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000</p> <p>Dänmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831211</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnetsverige Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +49 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russland Phone +7 495 775 09 30</p> <p>Schweden Phone +41 41 619 29 39</p> <p>Sveits Phone +43 6744 3732</p> <p>Sveiz Phone +386 (0)147 69 990</p> <p>Südkorea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 528 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5855 878</p> <p>USA/Mexico Phone +1 952 941 6780</p>
--	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktegenskaber og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
72 (0x48)	Channel Mask	Record	32 Byte	rw			Channel status user mask. Each bit corresponds to one channel: 1 = channel active, 0 = channel masked
1 (0x01)	Channel 1...32	Bit (224)	32 Bit	rw	4294967295		
2 (0x02)	Channel 33...64	Bit (192)	32 Bit	rw	4294967295		
3 (0x03)	Channel 65...96	Bit (160)	32 Bit	rw	4294967295		
4 (0x04)	Channel 97...128	Bit (128)	32 Bit	rw	4294967295		
5 (0x05)	Channel 129...160	Bit (96)	32 Bit	rw	4294967295		
6 (0x06)	Channel 161...192	Bit (64)	32 Bit	rw	4294967295		
7 (0x07)	Channel 193...224	Bit (32)	32 Bit	rw	4294967295		
8 (0x08)	Channel 225...255	Bit (0)	32 Bit	rw	4294967295		
97 (0x61)	Sender off (Test)	Bool	1 Bit	rw	0	true = All Senders off false = All Senders on	Disables all transmitters to stimulate blocked channels for testing purposes.
100 (0x64)	System Status	Record ³	1 Byte	ro			Contains info, warning and error flags for essential system diagnosis in addition to "Device Status" (index 36).
1 (0x01)	Pin Short Circuit Warning	Bit (0)	1 Bit	ro		true = Yes false = No	This bit is set in case of a short circuit on at least one Q switching output.
2 (0x02)	Invalid Process Data	Bit (1)	1 Bit	ro		true = Yes false = No	This bit is set in case of invalid process data.
3 (0x03)	Reserved	Bit (2)	1 Bit	ro		true = Yes false = No	Reserved status bit.
4 (0x04)	Busy	Bit (3)	1 Bit	ro		true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of Run Alarm	Bit (4)	1 Bit	ro		true = Yes false = No	This bit is set if Quality of Run alarm is fired. E.g. in case of contamination.
6 (0x06)	Hardware Error	Bit (5)	1 Bit	ro		true = Yes false = No	This bit is set in case of a hardware error.
7 (0x07)	Teach-in Error	Bit (6)	1 Bit	ro		true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Chain Issue	Bit (7)	1 Bit	ro		true = Yes false = No	See "Chain Issue" in diagnosis menu for more information.
121 (0x79)	Pin 2 Configuration	UInt	8 Bit	rw	17	0 = Off (high impedance) 13 = Blocked Channels Hold (BCH) (input) 14 = Logic In (input) 15 = RS-485 Trigger (input) (depends on product variant) 16 = Sender Off (input) 17 = Teach-In Trigger (input) 80 = Masked System Status (output) 81 = Qint 1 (output) 82 = Qint 2 (output) 83 = Qint 3 (output) 84 = Qint 4 (output) 85 = Qint 5 (output) 86 = Qint 6 (output) 87 = Qint 7 (output) 88 = Qint 8 (output) 89 = Qint 9 (output) 90 = Qint 10 (output) 91 = Qint 11 (output) 92 = Qint 12 (output) 93 = Qint 13 (output) 94 = Qint 14 (output) 95 = Qint 15 (output) 96 = Qint 16 (output) 101 = Logic 1 (output) 102 = Logic 2 (output) 103 = Logic 3 (output) 104 = Logic 4 (output) 105 = Logic 5 (output) 106 = Logic 6 (output) 107 = Logic 7 (output) 108 = Logic 8 (output)	Configuration of pin 2 output or input function.

¹ ro = read only, wo = write only, rw = read/write
² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³ Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 3215-4900	Polen Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2153 6300	Rusia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Slovakei Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 83121	Suomi Phone +358 9 25 15 800
India Phone +91 22 4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972 4 6801000	Taiwan Phone +886 2 2375 6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 5565 878
Magnetsvick Phone +36 1 271 2680	USA/Mexico Phone +1 952 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
122 (0x7A)	Pin 5 Configuration	UInt	8 Bit	rw	80	0 = Off (high impedance) 13 = Blocked Channels Hold (BCH) (input) 14 = Logic In (input) 16 = Sender Off (input) 17 = Teach-In Trigger (input) 80 = Masked System Status (output) 81 = Qint 1 (output) 82 = Qint 2 (output) 83 = Qint 3 (output) 84 = Qint 4 (output) 85 = Qint 5 (output) 86 = Qint 6 (output) 87 = Qint 7 (output) 88 = Qint 8 (output) 89 = Qint 9 (output) 90 = Qint 10 (output) 91 = Qint 11 (output) 92 = Qint 12 (output) 93 = Qint 13 (output) 94 = Qint 14 (output) 95 = Qint 15 (output) 96 = Qint 16 (output) 101 = Logic 1 (output) 102 = Logic 2 (output) 103 = Logic 3 (output) 104 = Logic 4 (output) 105 = Logic 5 (output) 106 = Logic 6 (output) 107 = Logic 7 (output) 108 = Logic 8 (output)	Configuration of pin 5 output or input function.
153 (0x99)	Host Temperature	Int	8 Bit	ro			This is the internal CPU temperature of the FlexChain-Host in degree Celsius.
204 (0xCC)	Find Me	UInt	8 Bit	rw	0	0 = Deactivated 1 = Flash 1 Hz 16 = Sender-Receiver Couple Flash 1Hz	The LEDs of the host and the selected guest (couple) blink with 1 Hz if the feature is not disabled. Write "Guest Address Selector" (index 302) first to address the desired guest.
212 (0xD4)	Pin 4 Output Delay Mode	UInt	8 Bit	rw	0	0 = Deactivated 1 = T-On Delay 2 = T-Off Delay 3 = T-On/T-Off Delay 4 = Impulse	Output delay mode for pin 4.
213 (0xD5)	Pin 2 Output Delay Mode	UInt	8 Bit	rw	0	0 = Deactivated 1 = T-On Delay 2 = T-Off Delay 3 = T-On/T-Off Delay 4 = Impulse	Output delay mode for pin 2.
214 (0xD6)	Pin 4 Output Delay Time	UInt	16 Bit	rw	1	1...30000	Time value in ms (1...30000) for the output delay mode of pin 4. [ms]
215 (0xD7)	Pin 2 Output Delay Time	UInt	16 Bit	rw	1	1...30000	Time value in ms (1...30000) for the output delay mode of pin 2. [ms]
219 (0xDB)	Product ID (Order Number)	Record ³	7 Byte	ro			Order number of the FlexChain-Host.
1 (0x01)	Product ID (Order Number)	Bit (0)	7 Byte	ro	N/A		Order number of the FlexChain-Host.
227 (0xE3)	Notification Handling	UInt	8 Bit	rw		0 = All Enabled 1 = All Disabled 2 = Events Enabled, PD Invalid Disabled 3 = Events Disabled, PD Invalid Enabled	Enable or disable all device specific IO-Link events and the IO-Link PD status bit within the M-Sequence protocol.
300 (0x12C)	Chain Issue	Record	2 Byte	ro			Provides additional error information if the "Chain Issue"-flag in the "System Status" is set.
1 (0x01)	Issue Code	Bit (8)	8 Bit	ro	0	0 = No Issue 1 = ERROR: Chain Changed! 2 = ERROR: Bus Undervoltage! 3 = ERROR: Bus Overcurrent! 4 = ERROR: Too Many Guests! 5 = ERROR: Incompatible Guest! 6 = ERROR: Incompatible Sender/Receiver Couple! 7 = ERROR: Sender Missing! 8 = ERROR: Receiver Missing! 9 = ERROR: Too Many Channels! 10 = ERROR: Communication Failure! 11 = ERROR: Guest Hardware Fault! 128 = WARNING: Position Assignment Does Not Use All Guests With Channels! 129 = WARNING: Unavailable Guest in Position Assignment! 130 = WARNING: Guest Without Channels in Position Assignment! 131 = WARNING: Duplicate Address in Position Assignment! 132 = WARNING: Gap Within Position Assignment! 133 = WARNING: Unassigned Channels Within Zones!	The issue code provides informations about the warning or error cause. Use the system command "Reset Guest Replaced or Type Changed Issue" to reset the issue.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported

SICK

8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 55 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 3215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2353 6300	Russia Phone +7 495 775 09 30
Denmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Slovenija Phone +386 (0)147 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	Spain Phone +358 9 25 15 800
Great Britain Phone +44 (0)1727 831521	Sri Lanka Phone +94 10 110 10 00
India Phone +91 22 4033 8333	Taiwan Phone +886 2 2375 6288
Israel Phone +972 4 6801000	Türkiye Phone +90 (216) 528 50 00
Italy Phone +39 02 27 43 41	United Arab Emirates Phone +971 (0)4 8865 878
Japan Phone +81 (03) 5309 2112	USA/Mexico Phone +1 (952) 941 6780
Magnonésie Phone +36 1 371 2680	
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De anførte produktets egenskaber og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数，其正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
2 (0x02)	Affected Guest	Bit (0)	8 Bit	ro	0	0 = Unassigned 1 = Port A - Guest Address 1 2 = Port A - Guest Address 2 3 = Port A - Guest Address 3 4 = Port A - Guest Address 4 5 = Port A - Guest Address 5 6 = Port A - Guest Address 6 7 = Port A - Guest Address 7 8 = Port A - Guest Address 8 9 = Port A - Guest Address 9 10 = Port A - Guest Address 10 11 = Port A - Guest Address 11 12 = Port A - Guest Address 12 13 = Port A - Guest Address 13 14 = Port A - Guest Address 14 15 = Port A - Guest Address 15 16 = Port A - Guest Address 16 17 = Port A - Guest Address 17 18 = Port A - Guest Address 18 19 = Port A - Guest Address 19 20 = Port A - Guest Address 20 21 = Port A - Guest Address 21 22 = Port A - Guest Address 22 23 = Port A - Guest Address 23 24 = Port A - Guest Address 24 25 = Port A - Guest Address 25 26 = Port A - Guest Address 26 27 = Port A - Guest Address 27 28 = Port A - Guest Address 28 29 = Port A - Guest Address 29 30 = Port A - Guest Address 30 31 = Port A - Guest Address 31 32 = Port A - Guest Address 32 101 = Port B - Guest Address 1 102 = Port B - Guest Address 2 103 = Port B - Guest Address 3 104 = Port B - Guest Address 4 105 = Port B - Guest Address 5 106 = Port B - Guest Address 6 107 = Port B - Guest Address 7 108 = Port B - Guest Address 8 109 = Port B - Guest Address 9 110 = Port B - Guest Address 10 111 = Port B - Guest Address 11 112 = Port B - Guest Address 12 113 = Port B - Guest Address 13 114 = Port B - Guest Address 14 115 = Port B - Guest Address 15 116 = Port B - Guest Address 16 117 = Port B - Guest Address 17 118 = Port B - Guest Address 18 119 = Port B - Guest Address 19 120 = Port B - Guest Address 20 121 = Port B - Guest Address 21 122 = Port B - Guest Address 22 123 = Port B - Guest Address 23 124 = Port B - Guest Address 24 125 = Port B - Guest Address 25 126 = Port B - Guest Address 26 127 = Port B - Guest Address 27 128 = Port B - Guest Address 28 129 = Port B - Guest Address 29 130 = Port B - Guest Address 30 131 = Port B - Guest Address 31 132 = Port B - Guest Address 32	Provides the port and the address of the guest which caused the error.
301 (0x12D)	System Properties	Record	17 Byte	ro			Provides information about the connected/assigned guests and the currently achieved timing performance.
1 (0x01)	Number Guests Port A	Bit (128)	8 Bit	ro		0...32	Total number of guests connected to port A.
2 (0x02)	Number Guests Port B	Bit (120)	8 Bit	ro		0...32	Total number of guests connected to port B.
3 (0x03)	Number Total Channels (Port A + B)	Bit (112)	8 Bit	ro			Total number of all channels for each connected guest on any port.
4 (0x04)	Number Assigned Guest Positions	Bit (104)	8 Bit	ro		0...64	Total number of assigned guest positions. Only these are considered in the channel-status.
5 (0x05)	Number Assigned Channels	Bit (96)	8 Bit	ro			Cumulative number of all channels of every assigned guest.
6 (0x06)	Reproducibility	Bit (64)	32 Bit	ro		0 = N/A 1 = N/A - Disable Find Me 2...4294967295	Is the time in microseconds which an object detection can deviate from the previous to the subsequent one.
7 (0x07)	Minimum Presence Time	Bit (32)	32 Bit	ro		0 = N/A 1 = N/A - Disable Find Me 2...4294967295	The minimum residence time in microseconds of an object to be securely detected.
8 (0x08)	Response Time	Bit (0)	32 Bit	ro		0 = N/A 1 = N/A - Disable Find Me 2...4294967295	The response time in microseconds of the whole system related to a switching output.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 3215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2153 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Slovenija Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 831521	Spain Phone +358 9 25 15 800
India Phone +91-22-4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972-4-6801000	Taiwan Phone +886-2-2375-6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 8665 878
Magnonésie Phone +36 1 371 2680	USA/Mexico Phone +1 950 941-6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktegenskaber og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin preaviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
302 (0x12E)	Guest Address Selector	UInt	8 Bit	rw	1	1 = Port A - Guest Address 1 2 = Port A - Guest Address 2 3 = Port A - Guest Address 3 4 = Port A - Guest Address 4 5 = Port A - Guest Address 5 6 = Port A - Guest Address 6 7 = Port A - Guest Address 7 8 = Port A - Guest Address 8 9 = Port A - Guest Address 9 10 = Port A - Guest Address 10 11 = Port A - Guest Address 11 12 = Port A - Guest Address 12 13 = Port A - Guest Address 13 14 = Port A - Guest Address 14 15 = Port A - Guest Address 15 16 = Port A - Guest Address 16 17 = Port A - Guest Address 17 18 = Port A - Guest Address 18 19 = Port A - Guest Address 19 20 = Port A - Guest Address 20 21 = Port A - Guest Address 21 22 = Port A - Guest Address 22 23 = Port A - Guest Address 23 24 = Port A - Guest Address 24 25 = Port A - Guest Address 25 26 = Port A - Guest Address 26 27 = Port A - Guest Address 27 28 = Port A - Guest Address 28 29 = Port A - Guest Address 29 30 = Port A - Guest Address 30 31 = Port A - Guest Address 31 32 = Port A - Guest Address 32 101 = Port B - Guest Address 1 102 = Port B - Guest Address 2 103 = Port B - Guest Address 3 104 = Port B - Guest Address 4 105 = Port B - Guest Address 5 106 = Port B - Guest Address 6 107 = Port B - Guest Address 7 108 = Port B - Guest Address 8 109 = Port B - Guest Address 9 110 = Port B - Guest Address 10 111 = Port B - Guest Address 11 112 = Port B - Guest Address 12 113 = Port B - Guest Address 13 114 = Port B - Guest Address 14 115 = Port B - Guest Address 15 116 = Port B - Guest Address 16 117 = Port B - Guest Address 17 118 = Port B - Guest Address 18 119 = Port B - Guest Address 19 120 = Port B - Guest Address 20 121 = Port B - Guest Address 21 122 = Port B - Guest Address 22 123 = Port B - Guest Address 23 124 = Port B - Guest Address 24 125 = Port B - Guest Address 25 126 = Port B - Guest Address 26 127 = Port B - Guest Address 27 128 = Port B - Guest Address 28 129 = Port B - Guest Address 29 130 = Port B - Guest Address 30 131 = Port B - Guest Address 31 132 = Port B - Guest Address 32	This is the guest address used by "Guest Info" (index 303) and "Find Me" (index 204).
303 (0x12F)	Guest Info	Record	106 Byte	ro			Provides a detailed information structure of the selected FlexChain-Guest. Write "Guest Address Selector" (index 302) first to address the desired guest.

¹ ro = read only, wo = write only, rw = read/write
² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³ Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 3215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2153 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Slovenija Phone +386 (0)47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 831521	Spain Phone +358 9 25 15 800
India Phone +91-22-4033 8333	Sweden Phone +46 10 110 10 00
Israel Phone +972-4-6801000	Taiwan Phone +886-2-2375-6288
Italy Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 8665 878
Magnonésie Phone +36 1 371 2680	USA/Mexico Phone +1 950 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De anførte produktegenskaber og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin preaviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
1 (0x01)	Address	Bit (840)	8 Bit	ro	1	1 = Port A - Guest Address 1 2 = Port A - Guest Address 2 3 = Port A - Guest Address 3 4 = Port A - Guest Address 4 5 = Port A - Guest Address 5 6 = Port A - Guest Address 6 7 = Port A - Guest Address 7 8 = Port A - Guest Address 8 9 = Port A - Guest Address 9 10 = Port A - Guest Address 10 11 = Port A - Guest Address 11 12 = Port A - Guest Address 12 13 = Port A - Guest Address 13 14 = Port A - Guest Address 14 15 = Port A - Guest Address 15 16 = Port A - Guest Address 16 17 = Port A - Guest Address 17 18 = Port A - Guest Address 18 19 = Port A - Guest Address 19 20 = Port A - Guest Address 20 21 = Port A - Guest Address 21 22 = Port A - Guest Address 22 23 = Port A - Guest Address 23 24 = Port A - Guest Address 24 25 = Port A - Guest Address 25 26 = Port A - Guest Address 26 27 = Port A - Guest Address 27 28 = Port A - Guest Address 28 29 = Port A - Guest Address 29 30 = Port A - Guest Address 30 31 = Port A - Guest Address 31 32 = Port A - Guest Address 32 101 = Port B - Guest Address 1 102 = Port B - Guest Address 2 103 = Port B - Guest Address 3 104 = Port B - Guest Address 4 105 = Port B - Guest Address 5 106 = Port B - Guest Address 6 107 = Port B - Guest Address 7 108 = Port B - Guest Address 8 109 = Port B - Guest Address 9 110 = Port B - Guest Address 10 111 = Port B - Guest Address 11 112 = Port B - Guest Address 12 113 = Port B - Guest Address 13 114 = Port B - Guest Address 14 115 = Port B - Guest Address 15 116 = Port B - Guest Address 16 117 = Port B - Guest Address 17 118 = Port B - Guest Address 18 119 = Port B - Guest Address 19 120 = Port B - Guest Address 20 121 = Port B - Guest Address 21 122 = Port B - Guest Address 22 123 = Port B - Guest Address 23 124 = Port B - Guest Address 24 125 = Port B - Guest Address 25 126 = Port B - Guest Address 26 127 = Port B - Guest Address 27 128 = Port B - Guest Address 28 129 = Port B - Guest Address 29 130 = Port B - Guest Address 30 131 = Port B - Guest Address 31 132 = Port B - Guest Address 32	The guest address whom this info belongs to.
2 (0x02)	Position	Bit (832)	8 Bit	ro	1	0 = N/A 1...64	The position of this guest within the position assignment table.
3 (0x03)	Product Name	Bit (576)	32 Byte	ro	N/A		The product code of the currently addressed guest.
4 (0x04)	Product Text	Bit (320)	32 Byte	ro	N/A		Product text of the currently addressed guest.
5 (0x05)	Part Number	Bit (264)	7 Byte	ro	N/A		Part number of the currently addressed guest.
6 (0x06)	Ident Number	Bit (208)	7 Byte	ro	N/A		Ident number of the currently addressed guest is only available on devices which consist of more than one part (e.g. transmitter and receiver).
7 (0x07)	Serial Number	Bit (144)	8 Byte	ro	N/A		Serial number of the currently addressed guest.
8 (0x08)	Firmware Version	Bit (48)	12 Byte	ro	N/A		Firmware version of the currently addressed guest.
9 (0x09)	Number of Channels	Bit (40)	8 Bit	ro	0		The total channel count of the currently addressed guest.
10 (0x0A)	Channel Spacing (mm)	Bit (8)	4 Byte	ro	0	0.0 = N/A 0.5...1000.0	Minimum channel separation in mm of the currently addressed guest.

¹ ro = read only, wo = write only, rw = read/write
² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³ Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 3215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2153 6300	Russia Phone +7 495 775 09 30
Denmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Slovenija Phone +386 (0)147 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 831521	Spain Phone +358 9 25 15 800
India Phone +91-22-4033 8333	Sri Lanka Phone +94 10 110 10 00
Israel Phone +972-4-6801000	Taiwan Phone +886-2-2375-6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 538 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 8865 878
Magnanville Phone +36 1 271 2680	USA/Mexico Phone +1 950 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De anførte produktetsgæber og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
11 (0x0B)	Counterpart Address	Bit (0)	8 Bit	ro	0	0 = N/A 1 = Port A - Guest Address 1 2 = Port A - Guest Address 2 3 = Port A - Guest Address 3 4 = Port A - Guest Address 4 5 = Port A - Guest Address 5 6 = Port A - Guest Address 6 7 = Port A - Guest Address 7 8 = Port A - Guest Address 8 9 = Port A - Guest Address 9 10 = Port A - Guest Address 10 11 = Port A - Guest Address 11 12 = Port A - Guest Address 12 13 = Port A - Guest Address 13 14 = Port A - Guest Address 14 15 = Port A - Guest Address 15 16 = Port A - Guest Address 16 17 = Port A - Guest Address 17 18 = Port A - Guest Address 18 19 = Port A - Guest Address 19 20 = Port A - Guest Address 20 21 = Port A - Guest Address 21 22 = Port A - Guest Address 22 23 = Port A - Guest Address 23 24 = Port A - Guest Address 24 25 = Port A - Guest Address 25 26 = Port A - Guest Address 26 27 = Port A - Guest Address 27 28 = Port A - Guest Address 28 29 = Port A - Guest Address 29 30 = Port A - Guest Address 30 31 = Port A - Guest Address 31 32 = Port A - Guest Address 32 101 = Port B - Guest Address 1 102 = Port B - Guest Address 2 103 = Port B - Guest Address 3 104 = Port B - Guest Address 4 105 = Port B - Guest Address 5 106 = Port B - Guest Address 6 107 = Port B - Guest Address 7 108 = Port B - Guest Address 8 109 = Port B - Guest Address 9 110 = Port B - Guest Address 10 111 = Port B - Guest Address 11 112 = Port B - Guest Address 12 113 = Port B - Guest Address 13 114 = Port B - Guest Address 14 115 = Port B - Guest Address 15 116 = Port B - Guest Address 16 117 = Port B - Guest Address 17 118 = Port B - Guest Address 18 119 = Port B - Guest Address 19 120 = Port B - Guest Address 20 121 = Port B - Guest Address 21 122 = Port B - Guest Address 22 123 = Port B - Guest Address 23 124 = Port B - Guest Address 24 125 = Port B - Guest Address 25 126 = Port B - Guest Address 26 127 = Port B - Guest Address 27 128 = Port B - Guest Address 28 129 = Port B - Guest Address 29 130 = Port B - Guest Address 30 131 = Port B - Guest Address 31 132 = Port B - Guest Address 32	Is the guest address of the corresponding counterpart (e.g. transmitter or receiver) if available.
304 (0x130)	Guest Positions	Array	64 Byte	rw		Unsigned Integer8 [64]	Assign the guest port addresses to position slots to determine the channel status order. Duplicate addresses and guests without channels are ignored. Note: Transmitter should not be assigned as they have no channels.
305 (0x131)	Guest Performance Options	Record	64 Byte	rw			Provides performance configurations for each guest address. The first 32 elements belong to port A addresses 1...32, the remaining 32 elements belong to port B addresses 1...32.
1 (0x01)	Port A - Guest Address 1	Bit (504)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
2 (0x02)	Port A - Guest Address 2	Bit (496)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
3 (0x03)	Port A - Guest Address 3	Bit (488)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
4 (0x04)	Port A - Guest Address 4	Bit (480)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
5 (0x05)	Port A - Guest Address 5	Bit (472)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
6 (0x06)	Port A - Guest Address 6	Bit (464)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!

¹ ro = read only, wo = write only, rw = read/write

² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³ Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

Australia Phone +61 3 9467 0800	Osterreich Phone +43 (0)22 36 62 28 9-0
Belgium/Luxembourg Phone +32 (0)2 468 55 66	Norge Phone +47 67 61 50 00
Brazil Phone +55 11 3215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2353 6300	Russia Phone +7 495 775 09 30
Denmark Phone +45 45 82 64 00	Singapore Phone +65 6744 3732
Deutschland Phone +49 211 5351 301	South Korea Phone +82 2 786 6321/4
España Phone +34 93 480 31 00	Sri Lanka Phone +91 22 4033 8333
France Phone +33 1 64 62 39 00	Taiwan Phone +886 2 2375 6288
Great Britain Phone +44 (0)1727 831211	Tanzania Phone +255 (0)216) 528 50 00
India Phone +91 22-4033 8333	United Arab Emirates Phone +971 01 4 5865 878
Italy Phone +39 02 27 43 41	USA/Mexico Phone +1 950 941 6780
Japan Phone +81 (03) 5309 2112	
Magnesium Phone +36 1 371 2680	
Niederland Phone +31 (030) 229 25 44	

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
7 (0x07)	Port A - Guest Address 7	Bit (456)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
8 (0x08)	Port A - Guest Address 8	Bit (448)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
9 (0x09)	Port A - Guest Address 9	Bit (440)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
10 (0x0A)	Port A - Guest Address 10	Bit (432)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
11 (0x0B)	Port A - Guest Address 11	Bit (424)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
12 (0x0C)	Port A - Guest Address 12	Bit (416)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
13 (0x0D)	Port A - Guest Address 13	Bit (408)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
14 (0x0E)	Port A - Guest Address 14	Bit (400)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
15 (0x0F)	Port A - Guest Address 15	Bit (392)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
16 (0x10)	Port A - Guest Address 16	Bit (384)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
17 (0x11)	Port A - Guest Address 17	Bit (376)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
18 (0x12)	Port A - Guest Address 18	Bit (368)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
19 (0x13)	Port A - Guest Address 19	Bit (360)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
20 (0x14)	Port A - Guest Address 20	Bit (352)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
21 (0x15)	Port A - Guest Address 21	Bit (344)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
22 (0x16)	Port A - Guest Address 22	Bit (336)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
23 (0x17)	Port A - Guest Address 23	Bit (328)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
24 (0x18)	Port A - Guest Address 24	Bit (320)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
25 (0x19)	Port A - Guest Address 25	Bit (312)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
26 (0x1A)	Port A - Guest Address 26	Bit (304)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
27 (0x1B)	Port A - Guest Address 27	Bit (296)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
28 (0x1C)	Port A - Guest Address 28	Bit (288)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
29 (0x1D)	Port A - Guest Address 29	Bit (280)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
30 (0x1E)	Port A - Guest Address 30	Bit (272)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
31 (0x1F)	Port A - Guest Address 31	Bit (264)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
32 (0x20)	Port A - Guest Address 32	Bit (256)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
33 (0x21)	Port B - Guest Address 1	Bit (248)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
34 (0x22)	Port B - Guest Address 2	Bit (240)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
35 (0x23)	Port B - Guest Address 3	Bit (232)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
36 (0x24)	Port B - Guest Address 4	Bit (224)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
37 (0x25)	Port B - Guest Address 5	Bit (216)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
38 (0x26)	Port B - Guest Address 6	Bit (208)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
39 (0x27)	Port B - Guest Address 7	Bit (200)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
40 (0x28)	Port B - Guest Address 8	Bit (192)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
41 (0x29)	Port B - Guest Address 9	Bit (184)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
42 (0x2A)	Port B - Guest Address 10	Bit (176)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
43 (0x2B)	Port B - Guest Address 11	Bit (168)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
44 (0x2C)	Port B - Guest Address 12	Bit (160)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
45 (0x2D)	Port B - Guest Address 13	Bit (152)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
46 (0x2E)	Port B - Guest Address 14	Bit (144)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
47 (0x2F)	Port B - Guest Address 15	Bit (136)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brazil Phone +55 11 3215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +852 2163 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91 22 4033 8333</p> <p>Israel Phone +972 4 6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (0)3 5309 2112</p> <p>Magnetsverige Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 67 61 51 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russland Phone +7 495 775 09 30</p> <p>Singapur Phone +65 6744 3732</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spain Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5855 878</p> <p>USA/Mexico Phone +1 950 941 6780</p>
---	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8210483

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
48 (0x30)	Port B - Guest Address 16	Bit (128)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
49 (0x31)	Port B - Guest Address 17	Bit (120)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
50 (0x32)	Port B - Guest Address 18	Bit (112)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
51 (0x33)	Port B - Guest Address 19	Bit (104)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
52 (0x34)	Port B - Guest Address 20	Bit (96)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
53 (0x35)	Port B - Guest Address 21	Bit (88)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
54 (0x36)	Port B - Guest Address 22	Bit (80)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
55 (0x37)	Port B - Guest Address 23	Bit (72)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
56 (0x38)	Port B - Guest Address 24	Bit (64)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
57 (0x39)	Port B - Guest Address 25	Bit (56)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
58 (0x3A)	Port B - Guest Address 26	Bit (48)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
59 (0x3B)	Port B - Guest Address 27	Bit (40)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
60 (0x3C)	Port B - Guest Address 28	Bit (32)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
61 (0x3D)	Port B - Guest Address 29	Bit (24)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
62 (0x3E)	Port B - Guest Address 30	Bit (16)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
63 (0x3F)	Port B - Guest Address 31	Bit (8)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!
64 (0x40)	Port B - Guest Address 32	Bit (0)	8 Bit	rw		0 = None 1 = Crossbeam 3x (light grids only)	Provides performance options for this guest address. Not each guest type does support all offered options!

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC

8389049
1759491538
9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 3215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 400 012 000 +852 2153 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Slovakeji Phone +386 (0)147 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 83121	Spain Phone +358 9 25 15 800
India Phone +91-22-4033 8333	Sweden Phone +46 10 110 10 00
Israel Phone +972-4-6801000	Taiwan Phone +886-2-2375-6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 8865 878
Magnanville Phone +36 1 371 2680	USA/Mexico Phone +1 952 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschaften en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
306 (0x132)	Guest Teach-in Position	UInt	8 Bit	rw	0	0 = All Guest positions 1 = Guest Position 1 2 = Guest Position 2 3 = Guest Position 3 4 = Guest Position 4 5 = Guest Position 5 6 = Guest Position 6 7 = Guest Position 7 8 = Guest Position 8 9 = Guest Position 9 10 = Guest Position 10 11 = Guest Position 11 12 = Guest Position 12 13 = Guest Position 13 14 = Guest Position 14 15 = Guest Position 15 16 = Guest Position 16 17 = Guest Position 17 18 = Guest Position 18 19 = Guest Position 19 20 = Guest Position 20 21 = Guest Position 21 22 = Guest Position 22 23 = Guest Position 23 24 = Guest Position 24 25 = Guest Position 25 26 = Guest Position 26 27 = Guest Position 27 28 = Guest Position 28 29 = Guest Position 29 30 = Guest Position 30 31 = Guest Position 31 32 = Guest Position 32 33 = Guest Position 33 34 = Guest Position 34 35 = Guest Position 35 36 = Guest Position 36 37 = Guest Position 37 38 = Guest Position 38 39 = Guest Position 39 40 = Guest Position 40 41 = Guest Position 41 42 = Guest Position 42 43 = Guest Position 43 44 = Guest Position 44 45 = Guest Position 45 46 = Guest Position 46 47 = Guest Position 47 48 = Guest Position 48 49 = Guest Position 49 50 = Guest Position 50 51 = Guest Position 51 52 = Guest Position 52 53 = Guest Position 53 54 = Guest Position 54 55 = Guest Position 55 56 = Guest Position 56 57 = Guest Position 57 58 = Guest Position 58 59 = Guest Position 59 60 = Guest Position 60 61 = Guest Position 61 62 = Guest Position 62 63 = Guest Position 63 64 = Guest Position 64	The teach-in command can be applied either to all or one particular guest position.
307 (0x133)	Guest Teach-in Status	Array	64 Byte	ro	0	Unsigned Integer8 [64]	Provides a feedback to the "Standard Command" (index 2) "Teach-in" (value 160). Shows also if a teach-in is recommended for a certain guest position.
309 (0x135)	Guest Quality of Run Alarm	Record ³	8 Byte	ro			Reports which guest positions are affected by QoR alarm.
1 (0x01)	Position 1	Bit (0)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 1.
2 (0x02)	Position 2	Bit (1)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 2.
3 (0x03)	Position 3	Bit (2)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 3.
4 (0x04)	Position 4	Bit (3)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 4.
5 (0x05)	Position 5	Bit (4)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 5.
6 (0x06)	Position 6	Bit (5)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 6.
7 (0x07)	Position 7	Bit (6)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 7.
8 (0x08)	Position 8	Bit (7)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 8.

¹ ro = read only, wo = write only, rw = read/write

² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³ Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

Australia Phone +61 3 9467 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 55 66	Norge Phone +47 67 61 51 50 00
Brazil Phone +55 11 3215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +86 2163 6300	Russia Phone +7 495 775 09 30
Denmark Phone +45 45 82 40 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Singapore Phone +65 6744 3732
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	Spain Phone +358 9 25 15 800
Great Britain Phone +44 (0)1727 83121	Sri Lanka Phone +94 10 110 10 00
India Phone +91 22 4033 8333	Taiwan Phone +886 2 2375 4288
Israel Phone +972 4 6801000	Türkiye Phone +90 (216) 538 50 00
Italy Phone +39 02 27 43 41	United Arab Emirates Phone +971 (0)4 5865 878
Japan Phone +81 (03) 5309 2112	USA/Mexico Phone +1 950 941 6780
Magyarország Phone +36 1 371 2680	
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

02/19483

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representações e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De afrittede produkttegninger og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschaften en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
9 (0x09)	Position 9	Bit (8)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 9.
10 (0x0A)	Position 10	Bit (9)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 10.
11 (0x0B)	Position 11	Bit (10)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 11.
12 (0x0C)	Position 12	Bit (11)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 12.
13 (0x0D)	Position 13	Bit (12)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 13.
14 (0x0E)	Position 14	Bit (13)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 14.
15 (0x0F)	Position 15	Bit (14)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 15.
16 (0x10)	Position 16	Bit (15)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 16.
17 (0x11)	Position 17	Bit (16)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 17.
18 (0x12)	Position 18	Bit (17)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 18.
19 (0x13)	Position 19	Bit (18)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 19.
20 (0x14)	Position 20	Bit (19)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 20.
21 (0x15)	Position 21	Bit (20)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 21.
22 (0x16)	Position 22	Bit (21)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 22.
23 (0x17)	Position 23	Bit (22)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 23.
24 (0x18)	Position 24	Bit (23)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 24.
25 (0x19)	Position 25	Bit (24)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 25.
26 (0x1A)	Position 26	Bit (25)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 26.
27 (0x1B)	Position 27	Bit (26)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 27.
28 (0x1C)	Position 28	Bit (27)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 28.
29 (0x1D)	Position 29	Bit (28)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 29.
30 (0x1E)	Position 30	Bit (29)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 30.
31 (0x1F)	Position 31	Bit (30)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 31.
32 (0x20)	Position 32	Bit (31)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
33 (0x21)	Position 33	Bit (32)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
34 (0x22)	Position 34	Bit (33)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
35 (0x23)	Position 35	Bit (34)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
36 (0x24)	Position 36	Bit (35)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
37 (0x25)	Position 37	Bit (36)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
38 (0x26)	Position 38	Bit (37)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
39 (0x27)	Position 39	Bit (38)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
40 (0x28)	Position 40	Bit (39)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
41 (0x29)	Position 41	Bit (40)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
42 (0x2A)	Position 42	Bit (41)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
43 (0x2B)	Position 43	Bit (42)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
44 (0x2C)	Position 44	Bit (43)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
45 (0x2D)	Position 45	Bit (44)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
46 (0x2E)	Position 46	Bit (45)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
47 (0x2F)	Position 47	Bit (46)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
48 (0x30)	Position 48	Bit (47)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
49 (0x31)	Position 49	Bit (48)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9467 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 35 66</p> <p>Brazil Phone +55 11 3215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +86 21 531 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91 22 4033 8333</p> <p>Israel Phone +972 4 6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnetsverige Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)22 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 619 29 39</p> <p>Sveits Phone +43 6744 3732</p> <p>Sveits Phone +43 6744 3732</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spain Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 585 85 878</p> <p>USA/Mexico Phone +1 2950 941 6780</p>
--	---

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
50 (0x32)	Position 50	Bit (49)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
51 (0x33)	Position 51	Bit (50)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
52 (0x34)	Position 52	Bit (51)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
53 (0x35)	Position 53	Bit (52)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
54 (0x36)	Position 54	Bit (53)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
55 (0x37)	Position 55	Bit (54)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
56 (0x38)	Position 56	Bit (55)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
57 (0x39)	Position 57	Bit (56)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
58 (0x3A)	Position 58	Bit (57)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
59 (0x3B)	Position 59	Bit (58)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
60 (0x3C)	Position 60	Bit (59)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
61 (0x3D)	Position 61	Bit (60)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
62 (0x3E)	Position 62	Bit (61)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
63 (0x3F)	Position 63	Bit (62)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
64 (0x40)	Position 64	Bit (63)	1 Bit	ro		true = Yes false = No	Indicates whether Quality of Run alarm is set for the guest at position 32.
311 (0x137)	Quality of Run Alarm On Time Filter	UInt	16 Bit	rw	180		Determines the time in seconds when the quality of run alarm diagnosis bit(s) within "System Status" (index 100) and "Guest Quality of Run Alarm" (index 309) are set. Note: This is a simplified explanation! [s]
312 (0x138)	Quality of Run Alarm Off Time Filter	UInt	16 Bit	rw	10		Determines the time in seconds when the quality of run alarm diagnosis bit(s) within "System Status" (index 100) and "Guest Quality of Run Alarm" (index 309) are cleared. Note: This is a simplified explanation! [s]
351 (0x15F)	Qint 1 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
352 (0x160)	Qint 1 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = (= Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
353 (0x161)	Qint 2 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
354 (0x162)	Qint 2 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = (= Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
355 (0x163)	Qint 3 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported

SICK

8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9467 0600</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 35 66</p> <p>Brazil Phone +55 11 3215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 400 121 000 +852 2553 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnesium Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 07 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Sveits Phone +43 6744 3732</p> <p>Sveits Phone +386 (0)147 69 990</p> <p>Sveits Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5565 878</p> <p>USA/Mexico Phone +1 952 941 6780</p>
--	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
356 (0x164)	Qint 3 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
357 (0x165)	Qint 4 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
358 (0x166)	Qint 4 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
359 (0x167)	Qint 5 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
360 (0x168)	Qint 5 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
361 (0x169)	Qint 6 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
362 (0x16A)	Qint 6 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
363 (0x16B)	Qint 7 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported

SICK

8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brazil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +862025530900</p> <p>Denmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italy Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnesium Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 619 29 39 00</p> <p>Schweden Phone +46 744 3732</p> <p>Sveits Phone +386 (0)147 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5865 878</p> <p>USA/Mexico Phone +1 2952 941 6780</p>
---	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschaften en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
364 (0x16C)	Qint 7 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
365 (0x16D)	Qint 8 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
366 (0x16E)	Qint 8 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
367 (0x16F)	Qint 9 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
368 (0x170)	Qint 9 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
369 (0x171)	Qint 10 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
370 (0x172)	Qint 10 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
371 (0x173)	Qint 11 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
372 (0x174)	Qint 11 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
1759491538
9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 3215-4900	Polen Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 400 121 000 +86 21 5301 3000	Rusia Phone +7 495 775 09 30
Dänmark Phone +45 45 82 40 00	Schweiz Phone +41 61 619 29 39
Deutschland Phone +49 211 5301 301	Serbien Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 83121	Spanien Phone +358 9 25 15 800
India Phone +91 22 4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972 4 6801000	Taiwan Phone +886 2 2375 4288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 538 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 586 55 878
Magnetsverige Phone +36 1 371 2680	USA/México Phone +1 950 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
373 (0x175)	Qint 12 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
374 (0x176)	Qint 12 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
375 (0x177)	Qint 13 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
376 (0x178)	Qint 13 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
377 (0x179)	Qint 14 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
378 (0x17A)	Qint 14 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
379 (0x17B)	Qint 15 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
380 (0x17C)	Qint 15 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brasil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +852 2353 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831211</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnetsverige Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D-79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Schweden Phone +45 6744 3732</p> <p>Sveits Phone +386 (0)47 69 990</p> <p>Sveiz Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375-6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0) 4 8665 878</p> <p>USA/Mexico Phone +1 2952 941 6780</p>
---	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
381 (0x17D)	Qint 16 Zone Definition	Record	2 Byte	rw			A zone is defined by a start and end channel within all available channels (Channel Status). Use the advanced settings to apply different channel functions if required.
1 (0x01)	First Channel of Zone	Bit (8)	8 Bit	rw	0	0 = deactivated 1...255	First channel of Qint channel zone.
2 (0x02)	Last Channel of Zone	Bit (0)	8 Bit	rw	0	0 = deactivated 1...255	Last channel of Qint channel zone.
382 (0x17E)	Qint 16 Advanced Settings	Record	3 Byte	rw			The advanced settings determine the boolean state of the Qint signal for the corresponding zone.
1 (0x01)	Function	Bit (16)	8 Bit	rw	0	0 = NCB (Number Channels Blocked) of Selected Zone 1 = LCB (Last Channel Blocked) of Selected Zone 2 = FCB (First Channel Blocked) of Selected Zone	The function which shall be used for a comparison with a constant value within the zone.
2 (0x02)	Operator	Bit (8)	8 Bit	rw	3	0 = = (Equal) 1 = (Unequal) 2 = > (Greater) 3 = (Greater or Equal) 4 = < (Less) 5 = (Less or Equal)	The operator determines the compare operation between the selected function and the constant.
3 (0x03)	Constant	Bit (0)	8 Bit	rw	1		The constant is used for the comparison with the selected function.
421 (0x1A5)	Logic 1	Record	5 Byte	rw			Is a logic element which combines up to four signals with a logic function. The logic result can be applied to an output pin or used as process data.
1 (0x01)	Operator	Bit (32)	8 Bit	rw	0	0 = AND 1 = OR 2 = XOR 3 = NAND 4 = NOR 5 = XNOR	The logical operator which is applied to the input signals.
2 (0x02)	Input 1	Bit (24)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 1.
3 (0x03)	Input 2	Bit (16)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 2.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 55 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 5215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2353 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Slovakei Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Korea Phone +82 2 786 6321/4
France Phone +33 1 64 62 39 00	Suomi Phone +358 9 25 15 800
Great Britain Phone +44 (0)1727 831121	Sverige Phone +46 10 110 10 00
India Phone +91-22-4033 8333	Taiwan Phone +886 2 2375 4288
Israel Phone +972 4 6801000	Türkiye Phone +90 (216) 528 50 00
Italia Phone +39 02 27 43 41	United Arab Emirates Phone +971 (0) 4 5855 878
Japan Phone +81 (03) 5309 2112	USA/Mexico Phone +1 950 941 6780
Magyarország Phone +36 1 371 2680	
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De arfærte produktgenskaber og tekniske data udgør ikke nogen garantiærklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
3 (0x03)	Input 2	Bit (16)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 2.
4 (0x04)	Input 3	Bit (8)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 3.
5 (0x05)	Input 4	Bit (0)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 4.
423 (0x1A7)	Logic 3	Record	5 Byte	rw			Is a logic element which combines up to four signals with a logic function. The logic result can be applied to an output pin or used as process data.
1 (0x01)	Operator	Bit (32)	8 Bit	rw	0	0 = AND 1 = OR 2 = XOR 3 = NAND 4 = NOR 5 = XNOR	The logical operator which is applied to the input signals.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brasil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +852 2353 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5361 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magyarország Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)22 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Sveits Phone +43 6744 3732</p> <p>Svevíkingar Phone +354 (0)147 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5855 878</p> <p>USA/Mexico Phone +1 950 941 6780</p>
--	---

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211483

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De anførte produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
2 (0x02)	Input 1	Bit (24)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 1.
3 (0x03)	Input 2	Bit (16)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 2.
4 (0x04)	Input 3	Bit (8)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 3.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brasil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +8623253 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 35 00</p> <p>Great Britain Phone +44 (0)1727 83121</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magyarország Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)22 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Sveits Phone +43 6744 3732</p> <p>Sveits Phone +386 (0)1 47 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spain Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 528 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5565 878</p> <p>USA/Mexico Phone +1 2952 941 6780</p>
--	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211483

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
5 (0x05)	Input 4	Bit (0)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 4.
424 (0x1A8)	Logic 4	Record	5 Byte	rw			Is a logic element which combines up to four signals with a logic function. The logic result can be applied to an output pin or used as process data.
1 (0x01)	Operator	Bit (32)	8 Bit	rw	0	0 = AND 1 = OR 2 = XOR 3 = NAND 4 = NOR 5 = XNOR	The logical operator which is applied to the input signals.
2 (0x02)	Input 1	Bit (24)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 1.
3 (0x03)	Input 2	Bit (16)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 2.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 5215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2353 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Slovakeji Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 831521	Suomi Phone +358 9 25 15 800
India Phone +91-22-4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972-4-6801000	Taiwan Phone +886-2-2375-6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 55 55 878
Magnetsverige Phone +36 1 371 2680	USA/Mexico Phone +1 952 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De anførte produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
4 (0x04)	Input 3	Bit (8)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 3.
5 (0x05)	Input 4	Bit (0)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 4.
425 (0x1A9)	Logic 5	Record	5 Byte	rw			Is a logic element which combines up to four signals with a logic function. The logic result can be applied to an output pin or used as process data.
1 (0x01)	Operator	Bit (32)	8 Bit	rw	0	0 = AND 1 = OR 2 = XOR 3 = NAND 4 = NOR 5 = XNOR	The logical operator which is applied to the input signals.
2 (0x02)	Input 1	Bit (24)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 1.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 51 00
Brasil Phone +55 11 3215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +8623253 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Slovenija Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 831121	Suomi Phone +358 9 25 15 800
India Phone +91-22-4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972-4-6801000	Taiwan Phone +886-2-2375-6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 538 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 5565 878
Magnanville Phone +36 1 371 2680	USA/Mexico Phone +1 950 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
3 (0x03)	Input 2	Bit (16)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 2.
4 (0x04)	Input 3	Bit (8)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 3.
5 (0x05)	Input 4	Bit (0)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 4.
426 (0x1AA)	Logic 6	Record	5 Byte	rw			Is a logic element which combines up to four signals with a logic function. The logic result can be applied to an output pin or used as process data.
1 (0x01)	Operator	Bit (32)	8 Bit	rw	0	0 = AND 1 = OR 2 = XOR 3 = NAND 4 = NOR 5 = XNOR	The logical operator which is applied to the input signals.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 5215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2353 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Slovenija Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 83121	Spain Phone +358 9 25 15 800
India Phone +91-22-4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972-4-6801000	Taiwan Phone +886-2-2375-6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 5565 878
Magyarország Phone +36 1 371 2680	USA/Mexico Phone +1 952 941 6780
Niederland Phone +31 (0)30 229 25 44	

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De afrittede produkttegnskaber og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin preaviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
2 (0x02)	Input 1	Bit (24)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 1.
3 (0x03)	Input 2	Bit (16)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 2.
4 (0x04)	Input 3	Bit (8)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 3.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brasil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +852 2353 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magyarország Phone +36 1 371 2680</p> <p>Niederland Phone +31 (030) 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D.79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)22 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Singapore Phone +65 6744 3732</p> <p>Sveitslän Phone +386 (0)1 47 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spain Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 528 50 00</p> <p>United Arab Emirates Phone +971 (0) 4 5565 878</p> <p>USA/Mexico Phone +1 950 941 6780</p>
--	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flerer repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
5 (0x05)	Input 4	Bit (0)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 4.
427 (0x1AB)	Logic 7	Record	5 Byte	rw			Is a logic element which combines up to four signals with a logic function. The logic result can be applied to an output pin or used as process data.
1 (0x01)	Operator	Bit (32)	8 Bit	rw	0	0 = AND 1 = OR 2 = XOR 3 = NAND 4 = NOR 5 = XNOR	The logical operator which is applied to the input signals.
2 (0x02)	Input 1	Bit (24)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 26 = Logic 6 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 1.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 51 00
Brasil Phone +55 11 5215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +8623253 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Singapore Phone +65 6744 3732
España Phone +34 93 480 31 00	Sri Lanka Phone +91 (0)11 47 69 990
France Phone +33 1 64 62 39 00	South Africa Phone +27 11 472 3733
Great Britain Phone +44 (0)1727 83121	South Korea Phone +82 2 786 6321/4
India Phone +91-22-4033 8333	Suomi Phone +358 9 25 15 800
Israel Phone +972 4 6801000	Sverige Phone +46 10 110 10 00
Italia Phone +39 02 27 43 41	Taiwan Phone +886 2 2375 6288
Japan Phone +81 (03) 5309 2112	Türkiye Phone +90 (216) 528 50 00
Magyarország Phone +36 1 271 2680	United Arab Emirates Phone +971 (0) 4 5565 878
Niederland Phone +31 (030) 229 25 44	USA/Mexico Phone +1 950 941 6780

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin preaviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
3 (0x03)	Input 2	Bit (16)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 26 = Logic 6 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 2.
4 (0x04)	Input 3	Bit (8)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 26 = Logic 6 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 3.
5 (0x05)	Input 4	Bit (0)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 26 = Logic 6 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 4.
428 (0x1AC)	Logic 8	Record	5 Byte	rw			Is a logic element which combines up to four signals with a logic function. The logic result can be applied to an output pin or used as process data.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC

8389049
1759491538
9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brasil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 4000 121 000 +852 2353 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5361 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91 22 4033 8333</p> <p>Israel Phone +972 4 6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magyarország Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)32 36 62 28 8-0</p> <p>Norge Phone +47 67 61 51 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Singapore Phone +65 6744 3732</p> <p>Sveitslädt Phone +386 (0)1 47 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spain Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0) 4 8665 878</p> <p>USA/Mexico Phone +1 952 941 6780</p>
--	---

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

821943

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
1 (0x01)	Operator	Bit (32)	8 Bit	rw	0	0 = AND 1 = OR 2 = XOR 3 = NAND 4 = NOR 5 = XNOR	The logical operator which is applied to the input signals.
2 (0x02)	Input 1	Bit (24)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 26 = Logic 6 27 = Logic 7 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 1.
3 (0x03)	Input 2	Bit (16)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 26 = Logic 6 27 = Logic 7 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 2.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC

8389049
1759491538
9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 5215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2353 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Slovenija Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 83121	Spain Phone +358 9 25 15 800
India Phone +91-22-4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972-4-6801000	Taiwan Phone +886-2-2375-6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 5855 878
Magyarország Phone +36 1 371 2680	USA/Mexico Phone +1 952 941 6780
Niederland Phone +31 (0)30 229 25 44	

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De afrittede produkttegnskaber og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
4 (0x04)	Input 3	Bit (8)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 26 = Logic 6 27 = Logic 7 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 3.
5 (0x05)	Input 4	Bit (0)	8 Bit	rw	0	0 = Not used 1 = Qint 1 2 = Qint 2 3 = Qint 3 4 = Qint 4 5 = Qint 5 6 = Qint 6 7 = Qint 7 8 = Qint 8 9 = Qint 9 10 = Qint 10 11 = Qint 11 12 = Qint 12 13 = Qint 13 14 = Qint 14 15 = Qint 15 16 = Qint 16 21 = Logic 1 22 = Logic 2 23 = Logic 3 24 = Logic 4 25 = Logic 5 26 = Logic 6 27 = Logic 7 32 = Pin 2 Input Signal 35 = Pin 5 Input Signal (depends on product variant) 36 = Pin 6 Input Signal (depends on product variant) 37 = Pin 7 Input Signal (depends on product variant) 38 = Pin 8 Input Signal (depends on product variant)	Logical input signal 4.
440 (0x1B8)	Hardware Variant	UInt	8 Bit	ro	0	0 = Standard IO 1 = Advanced IO 2 = RS-485 3 = CANopen	Provides the currently used hardware variant of the FlexChain-Host.
441 (0x1B9)	Pin 4 Configuration	UInt	8 Bit	rw	81	80 = Masked System Status (output) 81 = Qint 1 (output) 82 = Qint 2 (output) 83 = Qint 3 (output) 84 = Qint 4 (output) 85 = Qint 5 (output) 86 = Qint 6 (output) 87 = Qint 7 (output) 88 = Qint 8 (output) 89 = Qint 9 (output) 90 = Qint 10 (output) 91 = Qint 11 (output) 92 = Qint 12 (output) 93 = Qint 13 (output) 94 = Qint 14 (output) 95 = Qint 15 (output) 96 = Qint 16 (output) 101 = Logic 1 (output) 102 = Logic 2 (output) 103 = Logic 3 (output) 104 = Logic 4 (output) 105 = Logic 5 (output) 106 = Logic 6 (output) 107 = Logic 7 (output) 108 = Logic 8 (output)	Configuration of pin 4 output (Q1) function.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC
8389049
 1759491538
 9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 35 66	Norge Phone +47 67 61 50 00
Brasil Phone +55 11 5215-4900	Polka Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2153 6300	Rusia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5361 301	Slovakeji Phone +386 (0)1 47 69 990
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 831121	Suomi Phone +358 9 25 15 800
India Phone +91 22 4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972 4 6801000	Taiwan Phone +886 2 2375 6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 8665 878
Magnetsville Phone +36 1 271 2680	USA/Mexico Phone +1 952 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
442 (0x1BA)	Pin 6 Configuration	UInt	8 Bit	rw	82	0 = Off (high impedance) 13 = Blocked Channels Hold (BCH) (input) 14 = Logic In (input) 16 = Sender Off (input) 17 = Teach-In Trigger (input) 80 = Masked System Status (output) 81 = Qint 1 (output) 82 = Qint 2 (output) 83 = Qint 3 (output) 84 = Qint 4 (output) 85 = Qint 5 (output) 86 = Qint 6 (output) 87 = Qint 7 (output) 88 = Qint 8 (output) 89 = Qint 9 (output) 90 = Qint 10 (output) 91 = Qint 11 (output) 92 = Qint 12 (output) 93 = Qint 13 (output) 94 = Qint 14 (output) 95 = Qint 15 (output) 96 = Qint 16 (output) 101 = Logic 1 (output) 102 = Logic 2 (output) 103 = Logic 3 (output) 104 = Logic 4 (output) 105 = Logic 5 (output) 106 = Logic 6 (output) 107 = Logic 7 (output) 108 = Logic 8 (output)	Configuration of pin 6 output or input function.
443 (0x1BB)	Pin 7 Configuration	UInt	8 Bit	rw	83	0 = Off (high impedance) 13 = Blocked Channels Hold (BCH) (input) 14 = Logic In (input) 16 = Sender Off (input) 17 = Teach-In Trigger (input) 80 = Masked System Status (output) 81 = Qint 1 (output) 82 = Qint 2 (output) 83 = Qint 3 (output) 84 = Qint 4 (output) 85 = Qint 5 (output) 86 = Qint 6 (output) 87 = Qint 7 (output) 88 = Qint 8 (output) 89 = Qint 9 (output) 90 = Qint 10 (output) 91 = Qint 11 (output) 92 = Qint 12 (output) 93 = Qint 13 (output) 94 = Qint 14 (output) 95 = Qint 15 (output) 96 = Qint 16 (output) 101 = Logic 1 (output) 102 = Logic 2 (output) 103 = Logic 3 (output) 104 = Logic 4 (output) 105 = Logic 5 (output) 106 = Logic 6 (output) 107 = Logic 7 (output) 108 = Logic 8 (output)	Configuration of pin 7 output or input function.

¹ro = read only, wo = write only, rw = read/write
²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)
³Subindex access not supported



8023651 1019

FC

8389049
1759491538
9275154 1019 (1.1.0)

Australia Phone +61 3 9457 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 55 66	Norge Phone +47 67 61 51 00
Brasil Phone +55 11 3215-4900	Polen Phone +48 22 837 40 50
Canada Phone +1 905 771 14 44	Romania Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2353 6300	Russia Phone +7 495 775 09 30
Danmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Singapore Phone +65 6744 3732
España Phone +34 93 480 31 00	South Africa Phone +27 11 472 3733
France Phone +33 1 64 62 39 00	South Korea Phone +82 2 786 6321/4
Great Britain Phone +44 (0)1727 83121	Spain Phone +358 9 25 15 800
India Phone +91 22 4033 8333	Sverige Phone +46 10 110 10 00
Israel Phone +972 4 6801000	Taiwan Phone +886 2 2375 6288
Italia Phone +39 02 27 43 41	Türkiye Phone +90 (216) 528 50 00
Japan Phone +81 (03) 5309 2112	United Arab Emirates Phone +971 (0) 4 8865 878
Magnetsvick Phone +36 1 371 2680	USA/Mexico Phone +1 952 941 6780
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

8211463

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
444 (0x1BC)	Pin 8 Configuration	UInt	8 Bit	rw	84	0 = Off (high impedance) 13 = Blocked Channels Hold (BCH) (input) 14 = Logic In (input) 16 = Sender Off (input) 17 = Teach-In Trigger (input) 80 = Masked System Status (output) 81 = Qint 1 (output) 82 = Qint 2 (output) 83 = Qint 3 (output) 84 = Qint 4 (output) 85 = Qint 5 (output) 86 = Qint 6 (output) 87 = Qint 7 (output) 88 = Qint 8 (output) 89 = Qint 9 (output) 90 = Qint 10 (output) 91 = Qint 11 (output) 92 = Qint 12 (output) 93 = Qint 13 (output) 94 = Qint 14 (output) 95 = Qint 15 (output) 96 = Qint 16 (output) 101 = Logic 1 (output) 102 = Logic 2 (output) 103 = Logic 3 (output) 104 = Logic 4 (output) 105 = Logic 5 (output) 106 = Logic 6 (output) 107 = Logic 7 (output) 108 = Logic 8 (output)	Configuration of pin 8 output or input function.
447 (0x1BF)	Pin 2 System Status Mask	Record ³	1 Byte	rw			This mask configures the signal for "Pin 2 Configuration" (index 121) with option "Masked System Status (output)" (value 80).
1 (0x01)	Pin Short Circuit Warning	Bit (0)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a short circuit on at least one Q switching output.
2 (0x02)	Invalid Process Data	Bit (1)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of invalid process data.
3 (0x03)	Reserved	Bit (2)	1 Bit	rw	0	true = Yes false = No	Reserved status bit.
4 (0x04)	Busy	Bit (3)	1 Bit	rw	1	true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of Run Alarm	Bit (4)	1 Bit	rw	1	true = Yes false = No	This bit is set if Quality of Run alarm is fired. E.g. in case of contamination.
6 (0x06)	Hardware Error	Bit (5)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a hardware error.
7 (0x07)	Teach-in Error	Bit (6)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Chain Issue	Bit (7)	1 Bit	rw	1	true = Yes false = No	See "Chain Issue" in diagnosis menu for more information.
448 (0x1C0)	Pin 4 System Status Mask	Record ³	1 Byte	rw			This mask configures the signal for "Pin 4 Configuration" (index 340) with option "Masked System Status (output)" (value 80).
1 (0x01)	Pin Short Circuit Warning	Bit (0)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a short circuit on at least one Q switching output.
2 (0x02)	Invalid Process Data	Bit (1)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of invalid process data.
3 (0x03)	Reserved	Bit (2)	1 Bit	rw	0	true = Yes false = No	Reserved status bit.
4 (0x04)	Busy	Bit (3)	1 Bit	rw	1	true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of Run Alarm	Bit (4)	1 Bit	rw	1	true = Yes false = No	This bit is set if Quality of Run alarm is fired. E.g. in case of contamination.
6 (0x06)	Hardware Error	Bit (5)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a hardware error.
7 (0x07)	Teach-in Error	Bit (6)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Chain Issue	Bit (7)	1 Bit	rw	1	true = Yes false = No	See "Chain Issue" in diagnosis menu for more information.
449 (0x1C1)	Pin 5 System Status Mask	Record ³	1 Byte	rw			This mask configures the signal for "Pin 5 Configuration" (index 122) with option "Masked System Status (output)" (value 80).
1 (0x01)	Pin Short Circuit Warning	Bit (0)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a short circuit on at least one Q switching output.
2 (0x02)	Invalid Process Data	Bit (1)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of invalid process data.
3 (0x03)	Reserved	Bit (2)	1 Bit	rw	0	true = Yes false = No	Reserved status bit.
4 (0x04)	Busy	Bit (3)	1 Bit	rw	1	true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of Run Alarm	Bit (4)	1 Bit	rw	1	true = Yes false = No	This bit is set if Quality of Run alarm is fired. E.g. in case of contamination.
6 (0x06)	Hardware Error	Bit (5)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a hardware error.

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported



8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

Australia Phone +61 3 9467 0800
Belgium/Luxembourg Phone +32 (0)2 468 55 66
Brazil Phone +55 11 5215-4900
Canada Phone +1 905 771 14 44
Czech Republic Phone +420 2 57 91 18 50
China Phone +86 400 121 000
+862353 6300
Denmark Phone +45 45 82 64 00
Deutschland Phone +49 211 5301 301
España Phone +34 93 480 31 00
France Phone +33 1 64 62 35 00
Great Britain Phone +44 (0)1727 83121
India Phone +91-22-4033 8333
Israel Phone +972-4-6801000
Italia Phone +39 02 27 43 41
Japan Phone +81 (03) 5309 2112
Magyarország Phone +36 1 371 2680
Niederland Phone +31 (0)30 229 25 44
SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch

Osterreich Phone +43 (0)32 36 62 28 8-0
Norge Phone +47 67 61 51 00
Polska Phone +48 22 837 40 50
România Phone +40 366 171 120
Rusia Phone +7 495 775 05 30
Schweiz Phone +41 41 619 29 39
Sverige Phone +46 6744 3732
Sveitsi Phone +358 (0)47 69 990
Suomi Phone +358 9 25 15 800
Tajvan Phone +886 2 2375 0288
Türkiye Phone +90 (216) 538 50 00
United Arab Emirates Phone +971 (0) 4 5855 878
USA/Mexico Phone +1 (952) 941 6780

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produktdata og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
7 (0x07)	Teach-in Error	Bit (6)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Chain Issue	Bit (7)	1 Bit	rw	1	true = Yes false = No	See "Chain Issue" in diagnosis menu for more information.
450 (0x1C2)	Pin 6 System Status Mask	Record ³	1 Byte	rw			This mask configures the signal for "Pin 6 Configuration" (index 341) with option "Masked System Status (output)" (value 80).
1 (0x01)	Pin Short Circuit Warning	Bit (0)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a short circuit on at least one Q switching output.
2 (0x02)	Invalid Process Data	Bit (1)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of invalid process data.
3 (0x03)	Reserved	Bit (2)	1 Bit	rw	0	true = Yes false = No	Reserved status bit.
4 (0x04)	Busy	Bit (3)	1 Bit	rw	1	true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of Run Alarm	Bit (4)	1 Bit	rw	1	true = Yes false = No	This bit is set if Quality of Run alarm is fired. E.g. in case of contamination.
6 (0x06)	Hardware Error	Bit (5)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a hardware error.
7 (0x07)	Teach-in Error	Bit (6)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Chain Issue	Bit (7)	1 Bit	rw	1	true = Yes false = No	See "Chain Issue" in diagnosis menu for more information.
451 (0x1C3)	Pin 7 System Status Mask	Record ³	1 Byte	rw			This mask configures the signal for "Pin 7 Configuration" (index 342) with option "Masked System Status (output)" (value 80).
1 (0x01)	Pin Short Circuit Warning	Bit (0)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a short circuit on at least one Q switching output.
2 (0x02)	Invalid Process Data	Bit (1)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of invalid process data.
3 (0x03)	Reserved	Bit (2)	1 Bit	rw	0	true = Yes false = No	Reserved status bit.
4 (0x04)	Busy	Bit (3)	1 Bit	rw	1	true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of Run Alarm	Bit (4)	1 Bit	rw	1	true = Yes false = No	This bit is set if Quality of Run alarm is fired. E.g. in case of contamination.
6 (0x06)	Hardware Error	Bit (5)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a hardware error.
7 (0x07)	Teach-in Error	Bit (6)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Chain Issue	Bit (7)	1 Bit	rw	1	true = Yes false = No	See "Chain Issue" in diagnosis menu for more information.
452 (0x1C4)	Pin 8 System Status Mask	Record ³	1 Byte	rw			This mask configures the signal for "Pin 8 Configuration" (index 343) with option "Masked System Status (output)" (value 80).
1 (0x01)	Pin Short Circuit Warning	Bit (0)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a short circuit on at least one Q switching output.
2 (0x02)	Invalid Process Data	Bit (1)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of invalid process data.
3 (0x03)	Reserved	Bit (2)	1 Bit	rw	0	true = Yes false = No	Reserved status bit.
4 (0x04)	Busy	Bit (3)	1 Bit	rw	1	true = Yes false = No	This bit is set during an ongoing configuration e.g. system command teach-in.
5 (0x05)	Quality of Run Alarm	Bit (4)	1 Bit	rw	1	true = Yes false = No	This bit is set if Quality of Run alarm is fired. E.g. in case of contamination.
6 (0x06)	Hardware Error	Bit (5)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a hardware error.
7 (0x07)	Teach-in Error	Bit (6)	1 Bit	rw	1	true = Yes false = No	This bit is set in case of a teach-in error.
8 (0x08)	Chain Issue	Bit (7)	1 Bit	rw	1	true = Yes false = No	See "Chain Issue" in diagnosis menu for more information.
455 (0x1C7)	Pin 2 Inversion	Bool	1 Bit	rw	false	true = inverted false = not inverted	Determines whether the input or output shall be inverted or not.
456 (0x1C8)	Pin 4 Inversion	Bool	1 Bit	rw	false	true = inverted false = not inverted	Determines whether the output shall be inverted or not.
457 (0x1C9)	Pin 5 Inversion	Bool	1 Bit	rw	false	true = inverted false = not inverted	Determines whether the input or output shall be inverted or not.
458 (0x1CA)	Pin 6 Inversion	Bool	1 Bit	rw	false	true = inverted false = not inverted	Determines whether the input or output shall be inverted or not.
459 (0x1CB)	Pin 7 Inversion	Bool	1 Bit	rw	false	true = inverted false = not inverted	Determines whether the input or output shall be inverted or not.
460 (0x1CC)	Pin 8 Inversion	Bool	1 Bit	rw	false	true = inverted false = not inverted	Determines whether the input or output shall be inverted or not.
463 (0x1CF)	Pin 5 Output Delay Mode	Uint	8 Bit	rw	0	0 = Deactivated 1 = T-On Delay 2 = T-Off Delay 3 = T-On/T-Off Delay 4 = Impulse	Output delay mode for pin 5.
464 (0x1D0)	Pin 5 Output Delay Time	Uint	16 Bit	rw	1	1...30000	Time value in ms (1...30000) for the output delay mode of pin 5. [ms]

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported

SICK

8023651 1019

FC

8389049

1759491538

9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9457 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brazil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 400 121 000 +852 2353 6300</p> <p>Danmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5361 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 831121</p> <p>India Phone +91-22-4033 8333</p> <p>Israel Phone +972-4-6801000</p> <p>Italy Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magnonésie Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D 79183 Waldkirch</p>	<p>Osterreich Phone +43 (0)22 36 62 28 8-0</p> <p>Norge Phone +47 67 61 61 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 120</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Singapore Phone +65 6744 3732</p> <p>Sveits Phone +386 (0)1 47 69 990</p> <p>South Africa Phone +27 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Spain Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5565 878</p> <p>USA/Mexico Phone +1 950 941 6780</p>
--	--

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De arfærte produktetskræber og tekniske data udgår ikke nogen garantiæklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschaften en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin preaviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
465 (0x1D1)	Pin 6 Output Delay Mode	UInt	8 Bit	rw	0	0 = Deactivated 1 = T-On Delay 2 = T-Off Delay 3 = T-On/T-Off Delay 4 = Impulse	Output delay mode for pin 6.
466 (0x1D2)	Pin 6 Output Delay Time	UInt	16 Bit	rw	1	1...30000	Time value in ms (1...30000) for the output delay mode of pin 6. [ms]
467 (0x1D3)	Pin 7 Output Delay Mode	UInt	8 Bit	rw	0	0 = Deactivated 1 = T-On Delay 2 = T-Off Delay 3 = T-On/T-Off Delay 4 = Impulse	Output delay mode for pin 7.
468 (0x1D4)	Pin 7 Output Delay Time	UInt	16 Bit	rw	1	1...30000	Time value in ms (1...30000) for the output delay mode of pin 7. [ms]
469 (0x1D5)	Pin 8 Output Delay Mode	UInt	8 Bit	rw	0	0 = Deactivated 1 = T-On Delay 2 = T-Off Delay 3 = T-On/T-Off Delay 4 = Impulse	Output delay mode for pin 8.
470 (0x1D6)	Pin 8 Output Delay Time	UInt	16 Bit	rw	1	1...30000	Time value in ms (1...30000) for the output delay mode of pin 8. [ms]
473 (0x1D9)	RS-485 Configuration	Record	6 Byte	rw			Configuration of the RS-485 serial interface.
1 (0x01)	Trigger	Bit (40)	8 Bit	rw	1	0 = Deactivated 1 = On Process Data Change with Heartbeat 2 = Time Interval 3 = Command Byte Reception <STX><CMD><ETX> 4 = Input Pin Level	The transmission of the RS-485 process data depends on the selected trigger option.
2 (0x02)	Format	Bit (32)	8 Bit	rw	0	0 = Hexadezimal ASCII 1 = Binary	The binary format enables the most efficient transmission as every character carries one byte. The hexadecimal ASCII format doubles the process data size e.g. value 123 is sent as ASCII "7B". Note that there is always a STX/ETX framing.
3 (0x03)	Baudrate	Bit (24)	8 Bit	rw	2	0 = 9600 Bits/s 1 = 38400 Bits/s 2 = 115200 Bits/s 3 = 230400 Bits/s 4 = 460800 Bits/s	Select the baudrate of the RS-485 interface.
4 (0x04)	Parity	Bit (16)	8 Bit	rw	0	0 = No Parity 1 = Even Parity	The even parity bit can be applied to every character which is transmitted to enable an integrity check on receiver side.
5 (0x05)	Interval time	Bit (0)	16 Bit	rw	1000	0 = Heartbeat off / Sync with Cycle Time 1...60000	Selects the time in millisecond for the trigger modes 1 and 2. Value 0 disables the heartbeat (mode 1) or synchronizes with the internal cycle time (mode 2). Note that the actual transmission time depends on the selected baudrate. [ms]
475 (0x1DB)	CANopen NodeID	UInt	8 Bit	rw	6	1...127	Configuration of the CANopen address (NodeID). The new value becomes active after the next power cycle.
476 (0x1DC)	CANopen Btrate	UInt	16 Bit	rw	125	50 = 50 kBits/s 125 = 125 kBits/s 250 = 250 kBits/s 500 = 500 kBits/s 1000 = 1000 kBits/s	Configuration of the CANopen bitrate. The new value becomes active after the next power cycle.
480 (0x1E0)	Channel Status (PDin)	Record	32 Byte	ro			Provides the overall channel status as 32 byte vectors to be used as process data (PDin).
1 (0x01)	Channel 1...8	Bit (248)	8 Bit	ro			Channel 1...8 status bits.
2 (0x02)	Channel 9...16	Bit (240)	8 Bit	ro			Channel 9...16 status bits.
3 (0x03)	Channel 17...24	Bit (232)	8 Bit	ro			Channel 17...24 status bits.
4 (0x04)	Channel 25...32	Bit (224)	8 Bit	ro			Channel 25...32 status bits.
5 (0x05)	Channel 33...40	Bit (216)	8 Bit	ro			Channel 33...40 status bits.
6 (0x06)	Channel 41...48	Bit (208)	8 Bit	ro			Channel 41...48 status bits.
7 (0x07)	Channel 49...56	Bit (200)	8 Bit	ro			Channel 49...56 status bits.
8 (0x08)	Channel 57...64	Bit (192)	8 Bit	ro			Channel 57...64 status bits.
9 (0x09)	Channel 65...72	Bit (184)	8 Bit	ro			Channel 65...72 status bits.
10 (0x0A)	Channel 73...80	Bit (176)	8 Bit	ro			Channel 73...80 status bits.
11 (0x0B)	Channel 81...88	Bit (168)	8 Bit	ro			Channel 81...88 status bits.
12 (0x0C)	Channel 89...96	Bit (160)	8 Bit	ro			Channel 89...96 status bits.
13 (0x0D)	Channel 97...104	Bit (152)	8 Bit	ro			Channel 97...104 status bits.

¹ ro = read only, wo = write only, rw = read/write

² COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³ Subindex access not supported

SICK

8023651 1019

FC

8389049
1759491538
9275154 1019 (1.1.0)

Australia Phone +61 3 9467 0800	Osterreich Phone +43 (0)22 36 62 28 8-0
Belgium/Luxembourg Phone +32 (0)2 468 55 66	Norge Phone +47 67 61 51 50 00
Brazil Phone +55 11 3215-4900	Polina Phone +49 22 837 40 50
Canada Phone +1 905 771 14 44	România Phone +40 356 171 120
China Phone +86 4000 121 000 +852 2353 6300	Russia Phone +7 495 775 05 30
Denmark Phone +45 45 82 64 00	Schweiz Phone +41 41 619 29 39
Deutschland Phone +49 211 5301 301	Singapur Phone +65 6744 3732
España Phone +34 93 480 31 00	South Korea Phone +82 2 786 6321/4
France Phone +33 1 64 62 39 00	Suomi Phone +358 9 25 15 800
Great Britain Phone +44 (0)1727 831121	Sverige Phone +46 10 110 10 00
India Phone +91 22 4033 8333	Taiwan Phone +886 2 2375 6288
Israel Phone +972 4 6801000	Türkiye Phone +90 (216) 538 50 00
Italy Phone +39 02 27 43 41	United Arab Emirates Phone +971 (0) 4 5865 878
Japan Phone +81 (03) 5309 2112	USA/Mexico Phone +1 950 941 6780
Magnesium Phone +36 1 371 2680	
Niederland Phone +31 (0)30 229 25 44	

SICK AG, Erwin-Sick-Strasse 1, D-79183 Waldkirch

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representações e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Fiere representanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De aftrykte produktetagskaber og tekniske data udgør ikke nogen garantierklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，另行通知 - 对所给出的产品特性和技术参数，其正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
14 (0x0E)	Channel 105...112	Bit (144)	8 Bit	ro			Channel 105...112 status bits.
15 (0x0F)	Channel 113...120	Bit (136)	8 Bit	ro			Channel 113...120 status bits.
16 (0x10)	Channel 121...128	Bit (128)	8 Bit	ro			Channel 121...128 status bits.
17 (0x11)	Channel 129...136	Bit (120)	8 Bit	ro			Channel 129...136 status bits.
18 (0x12)	Channel 137...144	Bit (112)	8 Bit	ro			Channel 137...144 status bits.
19 (0x13)	Channel 145...152	Bit (104)	8 Bit	ro			Channel 145...152 status bits.
20 (0x14)	Channel 153...160	Bit (96)	8 Bit	ro			Channel 153...160 status bits.
21 (0x15)	Channel 161...168	Bit (88)	8 Bit	ro			Channel 161...168 status bits.
22 (0x16)	Channel 169...176	Bit (80)	8 Bit	ro			Channel 169...176 status bits.
23 (0x17)	Channel 177...184	Bit (72)	8 Bit	ro			Channel 177...184 status bits.
24 (0x18)	Channel 185...192	Bit (64)	8 Bit	ro			Channel 185...192 status bits.
25 (0x19)	Channel 193...200	Bit (56)	8 Bit	ro			Channel 193...200 status bits.
26 (0x1A)	Channel 201...208	Bit (48)	8 Bit	ro			Channel 201...208 status bits.
27 (0x1B)	Channel 209...216	Bit (40)	8 Bit	ro			Channel 209...216 status bits.
28 (0x1C)	Channel 217...224	Bit (32)	8 Bit	ro			Channel 217...224 status bits.
29 (0x1D)	Channel 225...232	Bit (24)	8 Bit	ro			Channel 225...232 status bits.
30 (0x1E)	Channel 233...240	Bit (16)	8 Bit	ro			Channel 233...240 status bits.
31 (0x1F)	Channel 241...248	Bit (8)	8 Bit	ro			Channel 241...248 status bits.
32 (0x20)	Channel 249...255	Bit (0)	8 Bit	ro			Channel 249...255 status bits.
481 (0x1E1)	Qint (PDin)	Record	2 Byte	ro			Provides the resulting zone signals Qint1...Qint16 as two byte vectors to be used as process data (PDin). Qint 1...8 zone signals as bitfield. Qint 9...16 zone signals as bitfield.
1 (0x01)	Qint 1...8	Bit (8)	8 Bit	ro			
2 (0x02)	Qint 9...16	Bit (0)	8 Bit	ro			
482 (0x1E2)	Logic (PDin)	Ulnt	8 Bit	ro			Provides the resulting logic signals L1...L8 as one byte vector to be used as process data (PDin).
483 (0x1E3)	Pin Status (PDin)	Record ³	1 Byte	ro			Provides the pin status as one byte vector to be used as process data (PDin). The used bits depend on the hardware variant.
1 (0x01)	Pin 4 (Q1) Status	Bit (0)	1 Bit	ro		true = High false = Low	The signal level on pin 4.
2 (0x02)	Pin 2 (Q2/IN1) Status	Bit (1)	1 Bit	ro		true = High false = Low	The signal level on pin 2.
3 (0x03)	Pin 5 (Q3/IN2) Status	Bit (2)	1 Bit	ro		true = High false = Low	The signal level on pin 5 (if available on current hardware variant).
4 (0x04)	Pin 6 (Q4/IN3) Status	Bit (3)	1 Bit	ro		true = High false = Low	The signal level on pin 6 (if available on current hardware variant).
5 (0x05)	Pin 7 (Q5/IN4) Status	Bit (4)	1 Bit	ro		true = High false = Low	The signal level on pin 7 (if available on current hardware variant).
6 (0x06)	Pin 8 (Q6/IN5) Status	Bit (5)	1 Bit	ro		true = High false = Low	The signal level on pin 8 (if available on current hardware variant).
7 (0x07)	Reserved	Bit (6)	1 Bit	ro		true = Reserved false = Reserved	Reserved
8 (0x08)	Reserved	Bit (7)	1 Bit	ro		true = Reserved false = Reserved	Reserved
484 (0x1E4)	Number Channels Blocked (NCB) (PDin)	Record	16 Byte	ro			Provides the Number Channels Blocked (NCB) value for each zone to be used as process data (PDin).
1 (0x01)	NCB of Zone 1	Bit (120)	8 Bit	ro			Number Channels Blocked (NCB) of zone 1
2 (0x02)	NCB of Zone 2	Bit (112)	8 Bit	ro			Number Channels Blocked (NCB) of zone 2
3 (0x03)	NCB of Zone 3	Bit (104)	8 Bit	ro			Number Channels Blocked (NCB) of zone 3
4 (0x04)	NCB of Zone 4	Bit (96)	8 Bit	ro			Number Channels Blocked (NCB) of zone 4
5 (0x05)	NCB of Zone 5	Bit (88)	8 Bit	ro			Number Channels Blocked (NCB) of zone 5
6 (0x06)	NCB of Zone 6	Bit (80)	8 Bit	ro			Number Channels Blocked (NCB) of zone 6
7 (0x07)	NCB of Zone 7	Bit (72)	8 Bit	ro			Number Channels Blocked (NCB) of zone 7
8 (0x08)	NCB of Zone 8	Bit (64)	8 Bit	ro			Number Channels Blocked (NCB) of zone 8
9 (0x09)	NCB of Zone 9	Bit (56)	8 Bit	ro			Number Channels Blocked (NCB) of zone 9
10 (0x0A)	NCB of Zone 10	Bit (48)	8 Bit	ro			Number Channels Blocked (NCB) of zone 10
11 (0x0B)	NCB of Zone 11	Bit (40)	8 Bit	ro			Number Channels Blocked (NCB) of zone 11
12 (0x0C)	NCB of Zone 12	Bit (32)	8 Bit	ro			Number Channels Blocked (NCB) of zone 12
13 (0x0D)	NCB of Zone 13	Bit (24)	8 Bit	ro			Number Channels Blocked (NCB) of zone 13
14 (0x0E)	NCB of Zone 14	Bit (16)	8 Bit	ro			Number Channels Blocked (NCB) of zone 14
15 (0x0F)	NCB of Zone 15	Bit (8)	8 Bit	ro			Number Channels Blocked (NCB) of zone 15
16 (0x10)	NCB of Zone 16	Bit (0)	8 Bit	ro			Number Channels Blocked (NCB) of zone 16
485 (0x1E5)	First Channel Blocked (FCB) (PDin)	Record	16 Byte	ro			Provides the First Channel Blocked (FCB) value for each zone to be used as process data (PDin).
1 (0x01)	FCB of zone 1	Bit (120)	8 Bit	ro			First Channel Blocked (FCB) of zone 1
2 (0x02)	FCB of Zone 2	Bit (112)	8 Bit	ro			First Channel Blocked (FCB) of zone 2
3 (0x03)	FCB of Zone 3	Bit (104)	8 Bit	ro			First Channel Blocked (FCB) of zone 3
4 (0x04)	FCB of Zone 4	Bit (96)	8 Bit	ro			First Channel Blocked (FCB) of zone 4

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported



8023651 1019

FC

8389049
1759491538
9275154 1019 (1.1.0)

<p>Australia Phone +61 3 9467 0800</p> <p>Belgium/Luxembourg Phone +32 (0)2 468 55 66</p> <p>Brazil Phone +55 11 5215-4900</p> <p>Canada Phone +1 905 771 14 44</p> <p>China Phone +86 400 121 000 +86 2163 6300</p> <p>Denmark Phone +45 45 82 64 00</p> <p>Deutschland Phone +49 211 5301 301</p> <p>España Phone +34 93 480 31 00</p> <p>France Phone +33 1 64 62 39 00</p> <p>Great Britain Phone +44 (0)1727 83121</p> <p>India Phone +91 22 4033 8333</p> <p>Israel Phone +972 4 6801000</p> <p>Italia Phone +39 02 27 43 41</p> <p>Japan Phone +81 (03) 5309 2112</p> <p>Magyarország Phone +36 1 371 2680</p> <p>Niederland Phone +31 (0)30 229 25 44</p> <p>SICK AG, Erwin-Sick-Strasse 1, D-79183 Waldkirch</p>	<p>Ostereich Phone +43 (0)22 36 62 28 8-0</p> <p>Norge Phone +47 67 61 50 00</p> <p>Polska Phone +48 22 837 40 50</p> <p>România Phone +40 356 171 150</p> <p>Russia Phone +7 495 775 09 30</p> <p>Schweiz Phone +41 41 619 29 39</p> <p>Singapore Phone +65 6744 3732</p> <p>Sveits Phone +386 (0)147 69 990</p> <p>Sverige Phone +46 11 472 3733</p> <p>South Korea Phone +82 2 786 6321/4</p> <p>Suomi Phone +358 9 25 15 800</p> <p>Sverige Phone +46 10 110 10 00</p> <p>Taiwan Phone +886 2 2375 6288</p> <p>Türkiye Phone +90 (216) 538 50 00</p> <p>United Arab Emirates Phone +971 (0)4 5865 878</p> <p>USA/Mexico Phone +1 950 941 6780</p>
---	---

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

More representatives and agencies at www.sick.com - Subject to change without notice - The specified product features and technical data do not represent any guarantee.

Weitere Niederlassungen finden Sie unter www.sick.com - Irrtümer und Änderungen vorbehalten - Angegebene Produkteigenschaften und technische Daten stellen keine Garantieerklärung dar.

Plus de représentations et d'agences à l'adresse www.sick.com - Sujet à modification sans préavis - Les caractéristiques de produit et techniques indiquées ne constituent pas de déclaration de garantie.

Para mais representantes e agências, consulte www.sick.com - Alterações poderão ser feitas sem prévio aviso - As características do produto e os dados técnicos apresentados não constituem declaração de garantia.

Flere repræsentanter og agenturer på www.sick.com - Med forbehold for ændringer og fejl - De angivne produkttegnelser og tekniske data udgør ikke nogen garanti erklæring.

Altri rappresentanti ed agenzie si trovano su www.sick.com - Contenuti soggetti a modifiche senza preavviso - Le caratteristiche del prodotto e i dati tecnici non rappresentano una dichiarazione di garanzia.

Meer vestigingen en vertegenwoordigingen vindt u op www.sick.com - Wijzigingen en correcties voorbehouden - Aangegeven producteigenschappen en technische gegevens vormen geen garantieverklaring.

Más representantes y agencias en www.sick.com - Sujeto a cambio sin previo aviso - Las características y los datos técnicos especificados no constituyen ninguna declaración de garantía.

欲了解更多代表机构和代理商信息，请登录 www.sick.com - 如有更改，不另行通知 - 对所给出的产品特性和技术参数 的正确性不予保证。



Please note the validity of the additional operating instructions for automation functions

ENGLISH

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access ¹	Default Value	Value / Range	Remark [Unit]
5 (0x05)	FCB of Zone 5	Bit (88)	8 Bit	ro			First Channel Blocked (FCB) of zone 5
6 (0x06)	FCB of Zone 6	Bit (80)	8 Bit	ro			First Channel Blocked (FCB) of zone 6
7 (0x07)	FCB of Zone 7	Bit (72)	8 Bit	ro			First Channel Blocked (FCB) of zone 7
8 (0x08)	FCB of Zone 8	Bit (64)	8 Bit	ro			First Channel Blocked (FCB) of zone 8
9 (0x09)	FCB of Zone 9	Bit (56)	8 Bit	ro			First Channel Blocked (FCB) of zone 9
10 (0x0A)	FCB of Zone 10	Bit (48)	8 Bit	ro			First Channel Blocked (FCB) of zone 10
11 (0x0B)	FCB of Zone 11	Bit (40)	8 Bit	ro			First Channel Blocked (FCB) of zone 11
12 (0x0C)	FCB of Zone 12	Bit (32)	8 Bit	ro			First Channel Blocked (FCB) of zone 12
13 (0x0D)	FCB of Zone 13	Bit (24)	8 Bit	ro			First Channel Blocked (FCB) of zone 13
14 (0x0E)	FCB of Zone 14	Bit (16)	8 Bit	ro			First Channel Blocked (FCB) of zone 14
15 (0x0F)	FCB of Zone 15	Bit (8)	8 Bit	ro			First Channel Blocked (FCB) of zone 15
16 (0x10)	FCB of Zone 16	Bit (0)	8 Bit	ro			First Channel Blocked (FCB) of zone 16
486 (0x1E6)	Last Channel Blocked (LCB) (PDIn)	Record	16 Byte				Provides the Last Channel Blocked (LCB) value for each zone to be used as process data (PDIn). Last Channel Blocked (LCB) of zone 1
1 (0x01)	LCB of Zone 1	Bit (120)	8 Bit	ro			Last Channel Blocked (LCB) of zone 2
2 (0x02)	LCB of Zone 2	Bit (112)	8 Bit	ro			Last Channel Blocked (LCB) of zone 3
3 (0x03)	LCB of Zone 3	Bit (104)	8 Bit	ro			Last Channel Blocked (LCB) of zone 4
4 (0x04)	LCB of Zone 4	Bit (96)	8 Bit	ro			Last Channel Blocked (LCB) of zone 5
5 (0x05)	LCB of Zone 5	Bit (88)	8 Bit	ro			Last Channel Blocked (LCB) of zone 6
6 (0x06)	LCB of Zone 6	Bit (80)	8 Bit	ro			Last Channel Blocked (LCB) of zone 7
7 (0x07)	LCB of Zone 7	Bit (72)	8 Bit	ro			Last Channel Blocked (LCB) of zone 8
8 (0x08)	LCB of Zone 8	Bit (64)	8 Bit	ro			Last Channel Blocked (LCB) of zone 9
9 (0x09)	LCB of Zone 9	Bit (56)	8 Bit	ro			Last Channel Blocked (LCB) of zone 10
10 (0x0A)	LCB of Zone 10	Bit (48)	8 Bit	ro			Last Channel Blocked (LCB) of zone 11
11 (0x0B)	LCB of Zone 11	Bit (40)	8 Bit	ro			Last Channel Blocked (LCB) of zone 12
12 (0x0C)	LCB of Zone 12	Bit (32)	8 Bit	ro			Last Channel Blocked (LCB) of zone 13
13 (0x0D)	LCB of Zone 13	Bit (24)	8 Bit	ro			Last Channel Blocked (LCB) of zone 14
14 (0x0E)	LCB of Zone 14	Bit (16)	8 Bit	ro			Last Channel Blocked (LCB) of zone 15
15 (0x0F)	LCB of Zone 15	Bit (8)	8 Bit	ro			Last Channel Blocked (LCB) of zone 16
16 (0x10)	LCB of Zone 16	Bit (0)	8 Bit	ro			Last Channel Blocked (LCB) of zone 16
498 (0x1F2)	Chain Identifier	UInt	32 Bit	ro			This identifier can be used to detect a changed chain. It is calculated with all serial numbers and product names of the connected guests.
499 (0x1F3)	Crosstalk Offset Time	UInt	16 Bit	rw	0	0 = Disabled 1...50000	This time offset in micro seconds is appended to the process data guest cycle time (reproducibility) of the host. It can be used to reduce interferences between multiple host devices whose guests working side by side. [µs]

Standard command							
Index dec (hex)	Name	Access ¹	Value	Name	Value	Remark [Unit]	
2 (0x02)	Standard Command	wo	130	Restore Factory Settings			
			160	Teach-in			
			208	Blank All Currently Blocked Channels			
			209	Blank All Currently Made Channels			
			210	Automatic Guest Position Assignment			
			211	Automatic Zone Assignment			
			212	Confirm Chain Change			
			213	Automatic Assignment			

Events			
Code dec (hex)	Name	Type	Remark [Unit]
20480 (0x5000)	Device hardware fault	Error	Device Exchange
36000 (0x8CA0)	Short Circuit on Output Pin	Warning	There is a short circuit at least on one output pin.
36001 (0x8CA1)	New Parameters	Notification	Parameters have been changed not via IO-Link interface.
36004 (0x8CA4)	Quality of Run Alarm	Warning	Low device performance, check detecting conditions. E.g. correct alignment or clean lenses.
36007 (0x8CA7)	Teach-in Error	Warning	The last teach-in process failed.
36032 (0x8CC0)	Chain Issue Error	Error	There is a pending chain issue error. Check your guest installation.

¹ro = read only, wo = write only, rw = read/write

²COM values specify the bitrate (see IO-Link specification): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

³Subindex access not supported