



8018398 0415

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

## ENGLISH

### 1. Physical layer

SIO Modus	yes
Min Cycle Time	3000 µs
Baudrate	COM2
Process Data Length	16 Bit

### 2. Process data

Record<sup>2</sup>: 2 Byte

Bitoffset	
Byte 0	Pressure
Subindex Unsigned Integer 14	
Bitoffset	
Byte 1	Pressure
Subindex Unsigned Integer 14	

### 3. Service data

The following ISDU will not be saved via Data-Storage: Data Storage Index

IO-Link specific							
Index dec (hex)	Name	Format (Offset)	Length	Access <sup>1</sup>	Default Value	Value / Range	Remark [Unit]
12 (0x0C)	Device Access Locks	Record	2 Byte	rw			
16 (0x10)	Vendor Name	String	64 Byte	ro	SICK AG		
17 (0x11)	Vendor Text	String	64 Byte	ro	www.sick.com		
18 (0x12)	Product Name	String	64 Byte	ro			
19 (0x13)	Product ID	String	64 Byte	ro			
21 (0x15)	Serial Number	String	16 Byte	ro			
22 (0x16)	Hardware Version	String	64 Byte	ro			
23 (0x17)	Firmware Version	String	64 Byte	ro			
24 (0x18)	Application Specific Tag	String	16 Byte	rw			
36 (0x24)	Device Status	UInt	8 Bit	ro		0 = Device is OK 1 = Maintenance required 2 = Out of specification 3 = Functional check 4 = Failure 5...255 = Reserved	
40 (0x28)	Process Data Input	PD In	2 Byte	ro			

SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access <sup>1</sup>	Default Value	Value / Range	Remark [Unit]
65 (0x41)	SP1_FH1	UInt	16 Bit	rw			hysteresis: set point Q1 / window : window high switch point Q1
66 (0x42)	RP1_FL1	UInt	16 Bit	rw			hysteresis: reset point Q1 / window : window low switch point Q1
67 (0x43)	OU1	UInt	8 Bit	rw		0 = Hno 1 = Hnc 2 = Fno 3 = Fnc	output function Q2
68 (0x44)	SP2_FH2	UInt	16 Bit	rw			hysteresis: set point Q2 / window : window high switch point Q2

<sup>1</sup>ro = read only (nur lesen), wo = write only (nur schreiben), rw = read/write (lesen/schreiben)

## DEUTSCH

### 1. Physikalische Schicht

SIO Modus	ja
Min. Zykluszeit	3000 µs
Baudrate	COM2
Prozessdatenlänge	16 Bit

### 2. Prozessdaten

Record<sup>2</sup>: 2 Byte

Bitoffset	
Byte 0	Druck
Subindex Unsigned Integer 14	
Bitoffset	
Byte 1	Druck
Subindex Unsigned Integer 14	

### 3. Servicedaten

Die folgende ISDU wird nicht über Data-Storage gesichert: Datenspeicher Index

IO-Link spezifisch							
Index dez (hex)	Name	Format (Offset)	Länge	Zugriff <sup>1</sup>	Standard Wert	Wertebereich	Bemerkung [Einheit]
12 (0x0C)	Gerätezugriffssperren	Record	2 Byte	rw			
16 (0x10)	Herstellername	String	64 Byte	ro	SICK AG		
17 (0x11)	Herstellertext	String	64 Byte	ro	www.sick.com		
18 (0x12)	Produktname	String	64 Byte	ro			
19 (0x13)	Produkt-ID	String	64 Byte	ro			
21 (0x15)	Seriennummer	String	16 Byte	ro			
22 (0x16)	Hardwareversion	String	64 Byte	ro			
23 (0x17)	Firmwareversion	String	64 Byte	ro			
24 (0x18)	Anwendungsspezifische Markierung	String	16 Byte	rw			
36 (0x24)	Gerätestatus	UInt	8 Bit	ro		0 = Gerät ist OK 1 = Wartung erforderlich 2 = Außerhalb der Spezifikation 3 = Funktionsprüfung 4 = Fehler 5...255 = Reserviert	
40 (0x28)	Prozessdaten Eingang	PD In	2 Byte	ro			

SICK spezifisch							
Index dez (hex)	Name	Format (Offset)	Länge	Zugriff <sup>1</sup>	Standard Wert	Wertebereich	Bemerkung [Einheit]
65 (0x41)	SP1_FH1	UInt	16 Bit	rw			Hysteresis: Schalt-punkt Q1 / Fensterbetrieb: Schalt-punkt Q1 High
66 (0x42)	RP1_FL1	UInt	16 Bit	rw			Hysteresis: Rückschalt-punkt Q1 / Fensterbetrieb: Schalt-punkt Q1 Low
67 (0x43)	OU1	UInt	8 Bit	rw		0 = Hno 1 = Hnc 2 = Fno 3 = Fnc	Funktion Q2

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

ENGLISH							
SICK device specific							
Index dec (hex)	Name	Format (Offset)	Length	Access <sup>1</sup>	Default Value	Value / Range	Remark [Unit]
69 (0x45)	RP2_FL2	UInt	16 Bit	rw			hysteresis: reset point Q2 / window : window low switch point Q2
70 (0x46)	OU2	UInt	8 Bit	rw		0 = Hno 1 = Hnc 2 = Fno 3 = Fnc	output function Q2
72 (0x48)	UNIT	UInt	8 Bit	rw	0	0 = bar 1 = MPa 2 = kPa 3 = PSI 4 = kg_cm2	Pressure unit
73 (0x49)	HI	UInt	16 Bit	ro			Highest measured value
74 (0x4A)	LO	UInt	16 Bit	ro			Lowest measured value
75 (0x4B)	DS1	UInt	16 Bit	rw			set delay Q1 [ms]
76 (0x4C)	DR1	UInt	16 Bit	rw			reset delay Q1 [ms]
77 (0x4D)	DS2	UInt	16 Bit	rw			set delay Q2 [ms]
78 (0x4E)	DR2	UInt	16 Bit	rw			reset delay Q2 [ms]
80 (0x50)	DISP	UInt	8 Bit	rw		0 = 1Hz 1 = 2Hz 2 = 5Hz 3 = 10Hz	Display update frequency
240 (0xF0)	MBA	Float	4 Byte	ro			Pressure Value representing 1000
241 (0xF1)	MBE	Float	4 Byte	ro			Pressure Value representing 9000
242 (0xF2)	Pressure	Int	16 Bit	ro			Current display pressure
243 (0xF3)	OrderNo	String	10 Byte	ro			Ordering number
250 (0xFA)	DisplayRotation	UInt	8 Bit	rw	0	0 = Regular 1 = UpsideDown	Rotation of display
251 (0xFB)	DisplayMode	UInt	8 Bit	rw		0 = Act 1 = Hi 2 = Lo 3 = SP1 4 = RP1 5 = SP2 6 = RP2 7 = Off	Choice of displayed value
252 (0xFC)	DisplayPassword	UInt	16 Bit	rw			password for display

<sup>1</sup> ro = read only (nur lesen), wo = write only (nur schreiben), rw = read/write (lesen/schreiben)

DEUTSCH							
SICK spezifisch							
Index dez (hex)	Name	Format (Offset)	Länge	Zugriff <sup>1</sup>	Standard Wert	Wertebereich	Bemerkung [Einheit]
68 (0x44)	SP2_FH2	UInt	16 Bit	rw			Hysterese: Schalt-punkt Q2 / Fensterbetrieb: Schalt-punkt Q2 High
69 (0x45)	RP2_FL2	UInt	16 Bit	rw			Hysterese: Rückschalt-punkt Q2 / Fensterbetrieb: Schalt-punkt Q2 Low
70 (0x46)	OU2	UInt	8 Bit	rw		0 = Hno 1 = Hnc 2 = Fno 3 = Fnc	Funktion Q2
72 (0x48)	Einheit	UInt	8 Bit	rw	0	0 = bar 1 = MPa 2 = kPa 3 = PSI 4 = kg_cm2	Einheit Druck
73 (0x49)	HI	UInt	16 Bit	ro			Maximalster Messwert
74 (0x4A)	LO	UInt	16 Bit	ro			Minimalster Messwert
75 (0x4B)	DS1	UInt	16 Bit	rw			Schaltverzögerung Q1 [ms]
76 (0x4C)	DR1	UInt	16 Bit	rw			Rückschaltverzögerung Q1 [ms]
77 (0x4D)	DS2	UInt	16 Bit	rw			Schaltverzögerung Q2 [ms]
78 (0x4E)	DR2	UInt	16 Bit	rw			Rückschaltverzögerung Q2 [ms]
80 (0x50)	DISP	UInt	8 Bit	rw		0 = 1Hz 1 = 2Hz 2 = 5Hz 3 = 10Hz	Anzeigeaktualisierungsgeschwindigkeit
240 (0xF0)	MBA	Float	4 Byte	ro			Druckwert bei 1000
241 (0xF1)	MBE	Float	4 Byte	ro			Druckwert bei 9000
242 (0xF2)	Druck	Int	16 Bit	ro			Aktueller Druckwert des Displays
243 (0xF3)	BestNr	String	10 Byte	ro			Bestellnummer
250 (0xFA)	DisplayRotation	UInt	8 Bit	rw	0	0 = Standard 1 = Kopfüber	Displayausrichtung
251 (0xFB)	DisplayMode	UInt	8 Bit	rw		0 = Act 1 = Hi 2 = Lo 3 = SP1 4 = RP1 5 = SP2 6 = RP2 7 = Off	Auswahl Messwertanzeige
252 (0xFC)	DisplayPassword	UInt	16 Bit	rw			Passwort für Display

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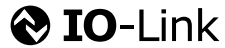
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