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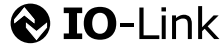
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Please note the validity of the additional operating instructions for automation functions

1. Device features

| | |
|---|---|
| Supported Smart Sensor Profile Function Classes | none (Smart Sensor Profile not supported) |
| Supported IO-Link Time Stamp Profile modes | none (IO-Link Time Stamp Profile not supported) |
| Block Parameter Transmission | not supported |
| Data Storage functionality | supported |
| Access Locks (supported / modes) | Data Storage |

2. 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 | 7.2 ms |
| Baudrate ² | COM2 |
| Process Data Length (IN) | 7 Byte |
| Process Data Length (OUT) | 1 Byte |
| IO-Link version | V1.0.0 |
| Valid for IO-Link version | 1.1.0 |

3. Process data

Record: 7 Byte

| | | | | |
|---------------|-------------|------------------------------------|-------------------------------------|-------------|
| Bitoffset | 48 | 40 | 32 | 24 |
| Byte/Name | see *PD IN0 | see *PD IN1 | see *PD IN2 | see *PD IN3 |
| Type/Subindex | 1 | 9 | 17 | 25 |
| Bitoffset | 16 | 8 | 0 | |
| Byte/Name | Reserved | Protective Field Section Bit 1...8 | Protective Field Section Bit 9...16 | |
| Type/Subindex | 32 | 33 | 41 | |

Reference: *PD IN0

| | | | | | | | | |
|---------------|---------------|-----------------------|--------------|-----------------------|--------------|---------------------|------------|------------------|
| Bitoffset | 55 | 54 | 53 | 52 | 51 | 50 | 49 | 48 |
| Byte 0 | StLinkPresent | PfIgnoredObjectGuest2 | PfFreeGuest2 | PfIgnoredObjectGuest1 | PfFreeGuest1 | PfIgnoredObjectHost | PfFreeHost | SystemOssdActive |
| Type/Subindex | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |

Reference: *PD IN1

| | | | | | | | | |
|---------------|------------|-----------|--------------|--------------|---------------|------------|------------|----------|
| Bitoffset | 47 | 46 | 45 | 44 | 43 | 42 | 41 | 40 |
| Byte 1 | EdmWarning | EdmActive | ResetWarning | ResOvrActive | ResetRequired | WeakGuest2 | WeakGuest1 | WeakHost |
| Type/Subindex | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 |

Reference: *PD IN2

| | | | | | | | | |
|---------------|---------------|---------------|---------------------|------------------|----------------|-------------|------------------|--------------|
| Bitoffset | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 |
| Byte 2 | MutingSignal2 | MutingSignal1 | PfFreeAlterOverride | OverrideRequired | OverrideActive | MutingError | MutingObjectInPf | MutingActive |
| Type/Subindex | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 |

Reference: *PD IN3

| | | | | | | | |
|---------------|-----------------------|-----------------------|---------------------|----------------------|----------------------|--------------------|--------------------|
| Bitoffset | 31 | 30 | 29 | 28 | 27 | 26 | 24 |
| Byte 3 | StateNormalSendGuest2 | StateNormalSendGuest1 | StateNormalSendHost | StateNormalRecGuest2 | StateNormalRecGuest1 | StateNormalRecHost | Reserved |
| Type/Subindex | 31 | 30 | 29 | 28 | 27 | 26 | 25 |
| Type/Subindex | 31 | 30 | 29 | 28 | 27 | 26 | Unsigned Integer 2 |

Record: 1 Byte

| | |
|---------------|--------------|
| Bitoffset | 0 |
| Byte/Name | see *PD OUT0 |
| Type/Subindex | 1 |

Reference: *PD OUT0

| | | | |
|---------------|--------------------|------------------------|------------------------|
| Bitoffset | 5 | 4 | 0 |
| Byte 0 | reserved | ActivateAlignmentLaser | ExternalDisplayControl |
| Type/Subindex | 3 | 2 | 1 |
| Type/Subindex | Unsigned Integer 3 | Unsigned Integer 4 | Unsigned Integer 4 |

4. Service data

The following ISDUs will not be saved via Data-Storage: Direct Parameters 1, Direct Parameters 2, Device Access Locks, Device Specific Tag, SystemInfo, ErrorHistoryRH_00, ErrorHistoryRH_01, ErrorHistoryRH_02, ErrorHistoryRH_03, ErrorHistoryRH_04, ErrorHistoryRH_05, ErrorHistoryRH_06, ErrorHistoryRH_07, ErrorHistoryRH_08, ErrorHistoryRH_09, DeviceIdentRH, SwOffEventRH_00, SwOffEventRH_01, SwOffEventRH_02, SwOffEventRH_03, SwOffEventRH_04, SwOffEventRH_05, SwOffEventRH_06, SwOffEventRH_07, SwOffEventRH_08, SwOffEventRH_09, ErrorHistoryRG1_00, ErrorHistoryRG1_01, ErrorHistoryRG1_02, ErrorHistoryRG1_03, ErrorHistoryRG1_04, ErrorHistoryRG1_05, ErrorHistoryRG1_06, ErrorHistoryRG1_07, ErrorHistoryRG1_08, ErrorHistoryRG1_09, DeviceIdentRG1, SwOffEventRG1_00, SwOffEventRG1_01, SwOffEventRG1_02, SwOffEventRG1_03, SwOffEventRG1_04, SwOffEventRG1_05, SwOffEventRG1_06, SwOffEventRG1_07, SwOffEventRG1_08, SwOffEventRG1_09, ErrorHistoryRG2_00, ErrorHistoryRG2_01, ErrorHistoryRG2_02, ErrorHistoryRG2_03, ErrorHistoryRG2_04, ErrorHistoryRG2_05, ErrorHistoryRG2_06, ErrorHistoryRG2_07, ErrorHistoryRG2_08, ErrorHistoryRG2_09, DeviceIdentRG2, SwOffEventRG2_00, SwOffEventRG2_01, SwOffEventRG2_02, SwOffEventRG2_03, SwOffEventRG2_04, SwOffEventRG2_05, SwOffEventRG2_06, SwOffEventRG2_07, SwOffEventRG2_08, SwOffEventRG2_09, ErrorHistorySH_00, ErrorHistorySH_01, ErrorHistorySH_02, ErrorHistorySH_03, ErrorHistorySH_04, ErrorHistorySH_05, ErrorHistorySH_06, ErrorHistorySH_07, ErrorHistorySH_08, ErrorHistorySH_09, DeviceIdentSH, ErrorHistorySG1_00, ErrorHistorySG1_01, ErrorHistorySG1_02, ErrorHistorySG1_03, ErrorHistorySG1_04, ErrorHistorySG1_05, ErrorHistorySG1_06, ErrorHistorySG1_07, ErrorHistorySG1_08, ErrorHistorySG1_09, DeviceIdentSG1, ErrorHistorySG2_00, ErrorHistorySG2_01, ErrorHistorySG2_02, ErrorHistorySG2_03, ErrorHistorySG2_04, ErrorHistorySG2_05, ErrorHistorySG2_06, ErrorHistorySG2_07, ErrorHistorySG2_08, ErrorHistorySG2_09 and DeviceIdentSG2

| IO-Link specific | Name | Format (Offset) | Length | Access ¹ | Default Value | Value / Range | Remark [Unit] |
|------------------|---------------------|-----------------|--------|---------------------|---------------|---------------|---------------|
| 12 (0x0C) | Device Access Locks | Record | 2 Byte | rw | | | |
| 2 (0x02) | Data Storage Lock | Bit (1) | 1 Bit | 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)



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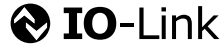
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Please note the validity of the additional operating instructions for automation functions

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| IO-Link specific | | | | | | | | | |
|----------------------|--------------------------|-----------------|----------|---------------------|--|---|---------------|--|--|
| Index dec (hex) | Name | Format (Offset) | Length | Access ¹ | Default Value | Value / Range | Remark [Unit] | | |
| 16 (0x10) | Vendor Name | String | 64 Byte | ro | SICK AG | | | | |
| 18 (0x12) | Product Name | String | 64 Byte | ro | Typekey of the receiver device which is physically connected to the IO-Link master port via the IO-Link connector. This information can also be accessed for every device in a cascade including senders (if sender-receiver link is present) via ISDU Devicelcent** of respective device (e.g. DevicelcentRH for receiver host). | | | | |
| 19 (0x13) | Product ID | String | 64 Byte | ro | see Index 219 | | | | |
| 20 (0x14) | Product Text | String | 64 Byte | ro | deTec | | | | |
| 21 (0x15) | Serial Number | String | 16 Byte | ro | Serial number of the receiver device which is physically connected to the IO-Link master port via the IO-Link connector. This information can also be accessed for every device in a cascade including senders (if sender-receiver link is present) via ISDU Devicelcent** of respective device (e.g. DevicelcentRH for receiver host). | | | | |
| 22 (0x16) | Hardware Version | String | 64 Byte | ro | Hardware version of the receiver device which is physically connected to the IO-Link master port via the IO-Link connector. This information can also be accessed for every device in a cascade including senders (if sender-receiver link is present) via ISDU Devicelcent** of respective device (e.g. DevicelcentRH for receiver host). | | | | |
| 23 (0x17) | Firmware Version | String | 64 Byte | ro | Firmware version of the receiver device which is physically connected to the IO-Link master port via the IO-Link connector. This information can also be accessed for every device in a cascade including senders (if sender-receiver link is present) via ISDU Devicelcent** of respective device (e.g. DevicelcentRH for receiver host). | | | | |
| 24 (0x18) | Application Specific Tag | String | 32 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 | Device status of the receiver device which is physically connected to the IO-Link master port via the IO-Link connector. | | | |
| 40 (0x28) | Process Data Input | PD In | 7 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 | *** | | | | |
| 190 (0xBE) | OperatingHoursCounter | UInt | 32 Bit | ro | 0 | Incremented after every operating hour and once after each power-up (non-volatile counter) | | | |
| 219 (0xDB) | SICK Mio Number | Record | 42 Byte | ro | SICK mio numbers of all devices (0000000 if device is not available): Receiver Host Receiver Guest 1 Receiver Guest 2 Sender Host Sender Guest 1 Sender Guest 2 | | | | |
| 8817 (0x2271) | ConfStatusReceiver | Record | 21 Byte | ro | Configuration Status Receiver | | | | |
| 8818 (0x2272) | ConfStatusSender | Record | 7 Byte | ro | Configuration Status Sender | | | | |
| 8819 (0x2273) | SystemInfo | Record | 20 Byte | ro | System Information | | | | |
| 8827 (0x227B) | SystemErrorDiag | Record | 216 Byte | ro | Diagnosis Information for all devices in the system | | | | |
| 8830 (0x227E) | PfSectionBits | Record | 2 Byte | ro | Protective Field Section Bits of the system | | | | |
| 8831 (0x227F) | SupplyVoltage | UInt | 16 Bit | ro | 0 | Supply voltage in mV | | | |
| 9090 (0x2382) | ErrorHistoryRH_00 | Record | 36 Byte | ro | Error History Element 0 Receiver Host | | | | |
| 9091 (0x2383) | ErrorHistoryRH_01 | Record | 36 Byte | ro | Error History Element 1 Receiver Host | | | | |
| 9092 (0x2384) | ErrorHistoryRH_02 | Record | 36 Byte | ro | Error History Element 2 Receiver Host | | | | |
| 9093 (0x2385) | ErrorHistoryRH_03 | Record | 36 Byte | ro | Error History Element 3 Receiver Host | | | | |
| 9094 (0x2386) | ErrorHistoryRH_04 | Record | 36 Byte | ro | Error History Element 4 Receiver Host | | | | |
| 9095 (0x2387) | ErrorHistoryRH_05 | Record | 36 Byte | ro | Error History Element 5 Receiver Host | | | | |
| 9096 (0x2388) | ErrorHistoryRH_06 | Record | 36 Byte | ro | Error History Element 6 Receiver Host | | | | |
| 9097 (0x2389) | ErrorHistoryRH_07 | Record | 36 Byte | ro | Error History Element 7 Receiver Host | | | | |
| 9098 (0x238A) | ErrorHistoryRH_08 | Record | 36 Byte | ro | Error History Element 8 Receiver Host | | | | |
| 9099 (0x238B) | ErrorHistoryRH_09 | Record | 36 Byte | ro | Error History Element 9 Receiver Host | | | | |
| 9145 (0x23B9) | DevicelcentRH | Record | 54 Byte | ro | Device Identification Receiver Host | | | | |
| 9180 (0x23DC) | SwOffEventRH_00 | Record | 36 Byte | ro | Switch-off Event 0 Receiver Host | | | | |
| 9181 (0x23DD) | SwOffEventRH_01 | Record | 36 Byte | ro | Switch-off Event 1 Receiver Host | | | | |
| 9182 (0x23DE) | SwOffEventRH_02 | Record | 36 Byte | ro | Switch-off Event 2 Receiver Host | | | | |
| 9183 (0x23DF) | SwOffEventRH_03 | Record | 36 Byte | ro | Switch-off Event 3 Receiver Host | | | | |
| 9184 (0x23E0) | SwOffEventRH_04 | Record | 36 Byte | ro | Switch-off Event 4 Receiver Host | | | | |
| 9185 (0x23E1) | SwOffEventRH_05 | Record | 36 Byte | ro | Switch-off Event 5 Receiver Host | | | | |
| 9186 (0x23E2) | SwOffEventRH_06 | Record | 36 Byte | ro | Switch-off Event 6 Receiver Host | | | | |
| 9187 (0x23E3) | SwOffEventRH_07 | Record | 36 Byte | ro | Switch-off Event 7 Receiver Host | | | | |
| 9188 (0x23E4) | SwOffEventRH_08 | Record | 36 Byte | ro | Switch-off Event 8 Receiver Host | | | | |
| 9189 (0x23E5) | SwOffEventRH_09 | Record | 36 Byte | ro | Switch-off Event 9 Receiver Host | | | | |
| 9820 (0x265C) | DeviceDataRH | Record | 10 Byte | ro | Device Data Receiver Host | | | | |
| 9822 (0x265E) | BeamStatusRH | Array | 27 Byte | ro | Unsigned Integer8 [27] | 1 Bit for each beam; True = Beam free, False = Beam interrupted (Bit0 in first element corresponds to beam1 which is far from system plug) | | | |
| 9823 (0x265F) | WeakStatusRH | Array | 27 Byte | ro | Unsigned Integer8 [27] | 1 Bit for each beam; True = Weak signal, False = No weak signal (Bit0 in first element corresponds to beam1 which is far from system plug) | | | |
| 9824 (0x2660) | BeamAlignmentRH | Array | 56 Byte | ro | Unsigned Integer32 [14] | 2 Bit alignment information for each beam; 0 = no signal, 1 = weak signal, 2 = strong signal, 3 = very strong signal (Bit0/1 in first element corresponds to beam1 which is far from system plug) | | | |
| 9825 (0x2661) | AlignmentQualityRH | UInt | 8 Bit | ro | 0 = Alignment quality equivalent to 0 LEDs 1 = Alignment quality equivalent to 1 LED 2 = Alignment quality equivalent to 2 LEDs 3 = Alignment quality equivalent to 3 LEDs 4 = Alignment quality equivalent to 4 LEDs | Alignment quality equivalent to alignment display | | | |

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)



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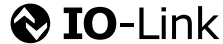
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| SICK device specific | Name | Format (Offset) | Length | Access ¹ | Default Value | Value / Range | Remark [Unit] |
|----------------------|---------------------|-----------------|---------|---------------------|---|---|---------------|
| 9826 (0x2662) | DeviceTimesRH | Record | 16 Byte | ro | Device Times Receiver Host | | |
| 10090 (0x276A) | ErrorHistoryRG1_00 | Record | 36 Byte | ro | Error History Element 0 Receiver Guest1 | | |
| 10091 (0x276B) | ErrorHistoryRG1_01 | Record | 36 Byte | ro | Error History Element 1 Receiver Guest1 | | |
| 10092 (0x276C) | ErrorHistoryRG1_02 | Record | 36 Byte | ro | Error History Element 2 Receiver Guest1 | | |
| 10093 (0x276D) | ErrorHistoryRG1_03 | Record | 36 Byte | ro | Error History Element 3 Receiver Guest1 | | |
| 10094 (0x276E) | ErrorHistoryRG1_04 | Record | 36 Byte | ro | Error History Element 4 Receiver Guest1 | | |
| 10095 (0x276F) | ErrorHistoryRG1_05 | Record | 36 Byte | ro | Error History Element 5 Receiver Guest1 | | |
| 10096 (0x2770) | ErrorHistoryRG1_06 | Record | 36 Byte | ro | Error History Element 6 Receiver Guest1 | | |
| 10097 (0x2771) | ErrorHistoryRG1_07 | Record | 36 Byte | ro | Error History Element 7 Receiver Guest1 | | |
| 10098 (0x2772) | ErrorHistoryRG1_08 | Record | 36 Byte | ro | Error History Element 8 Receiver Guest1 | | |
| 10099 (0x2773) | ErrorHistoryRG1_09 | Record | 36 Byte | ro | Error History Element 9 Receiver Guest1 | | |
| 10145 (0x27A1) | DeviceIdentRG1 | Record | 54 Byte | ro | Device Identification Receiver Guest1 | | |
| 10180 (0x27C4) | SwOffEventRG1_00 | Record | 36 Byte | ro | Switch-off Event 0 Receiver Guest1 | | |
| 10181 (0x27C5) | SwOffEventRG1_01 | Record | 36 Byte | ro | Switch-off Event 1 Receiver Guest1 | | |
| 10182 (0x27C6) | SwOffEventRG1_02 | Record | 36 Byte | ro | Switch-off Event 2 Receiver Guest1 | | |
| 10183 (0x27C7) | SwOffEventRG1_03 | Record | 36 Byte | ro | Switch-off Event 3 Receiver Guest1 | | |
| 10184 (0x27C8) | SwOffEventRG1_04 | Record | 36 Byte | ro | Switch-off Event 4 Receiver Guest1 | | |
| 10185 (0x27C9) | SwOffEventRG1_05 | Record | 36 Byte | ro | Switch-off Event 5 Receiver Guest1 | | |
| 10186 (0x27CA) | SwOffEventRG1_06 | Record | 36 Byte | ro | Switch-off Event 6 Receiver Guest1 | | |
| 10187 (0x27CB) | SwOffEventRG1_07 | Record | 36 Byte | ro | Switch-off Event 7 Receiver Guest1 | | |
| 10188 (0x27CC) | SwOffEventRG1_08 | Record | 36 Byte | ro | Switch-off Event 8 Receiver Guest1 | | |
| 10189 (0x27CD) | SwOffEventRG1_09 | Record | 36 Byte | ro | Switch-off Event 9 Receiver Guest1 | | |
| 10820 (0x2A44) | DeviceDataRG1 | Record | 10 Byte | ro | Device Data Receiver Guest1 | | |
| 10822 (0x2A46) | BeamStatusRG1 | Array | 27 Byte | ro | Unsigned Integer8 [27] | 1 Bit for each beam; True = Beam free, False = Beam interrupted (Bit0 in first element corresponds to beam1 which is far from system plug) | |
| 10823 (0x2A47) | WeakStatusRG1 | Array | 27 Byte | ro | Unsigned Integer8 [27] | 1 Bit for each beam; True = Weak signal, False = No weak signal (Bit0 in first element corresponds to beam1 which is far from system plug) | |
| 10824 (0x2A48) | BeamAlignmentRG1 | Array | 56 Byte | ro | Unsigned Integer32 [14] | 2 Bit alignment information for each beam; 0 = no signal, 1 = weak signal, 2 = strong signal, 3 = very strong signal (Bit0/1 in first element corresponds to beam1 which is far from system plug) | |
| 10825 (0x2A49) | AlignmentQualityRG1 | UInt | 8 Bit | ro | 0 = Alignment quality equivalent to 0 LEDs 1 = Alignment quality equivalent to 1 LED 2 = Alignment quality equivalent to 2 LEDs 3 = Alignment quality equivalent to 3 LEDs 4 = Alignment quality equivalent to 4 LEDs | Alignment quality equivalent to alignment display | |
| 10826 (0x2A4A) | DeviceTimesRG1 | Record | 16 Byte | ro | Device Times Receiver Guest1 | | |
| 11090 (0x2B52) | ErrorHistoryRG2_00 | Record | 36 Byte | ro | Error History Element 0 Receiver Guest2 | | |
| 11091 (0x2B53) | ErrorHistoryRG2_01 | Record | 36 Byte | ro | Error History Element 1 Receiver Guest2 | | |
| 11092 (0x2B54) | ErrorHistoryRG2_02 | Record | 36 Byte | ro | Error History Element 2 Receiver Guest2 | | |
| 11093 (0x2B55) | ErrorHistoryRG2_03 | Record | 36 Byte | ro | Error History Element 3 Receiver Guest2 | | |
| 11094 (0x2B56) | ErrorHistoryRG2_04 | Record | 36 Byte | ro | Error History Element 4 Receiver Guest2 | | |
| 11095 (0x2B57) | ErrorHistoryRG2_05 | Record | 36 Byte | ro | Error History Element 5 Receiver Guest2 | | |
| 11096 (0x2B58) | ErrorHistoryRG2_06 | Record | 36 Byte | ro | Error History Element 6 Receiver Guest2 | | |
| 11097 (0x2B59) | ErrorHistoryRG2_07 | Record | 36 Byte | ro | Error History Element 7 Receiver Guest2 | | |
| 11098 (0x2B5A) | ErrorHistoryRG2_08 | Record | 36 Byte | ro | Error History Element 8 Receiver Guest2 | | |
| 11099 (0x2B5B) | ErrorHistoryRG2_09 | Record | 36 Byte | ro | Error History Element 9 Receiver Guest2 | | |
| 11145 (0x2B89) | DeviceIdentRG2 | Record | 54 Byte | ro | Device Identification Receiver Guest2 | | |
| 11180 (0x2BAC) | SwOffEventRG2_00 | Record | 36 Byte | ro | Switch-off Event 0 Receiver Guest2 | | |
| 11181 (0x2BAD) | SwOffEventRG2_01 | Record | 36 Byte | ro | Switch-off Event 1 Receiver Guest2 | | |
| 11182 (0x2BAE) | SwOffEventRG2_02 | Record | 36 Byte | ro | Switch-off Event 2 Receiver Guest2 | | |
| 11183 (0x2BAF) | SwOffEventRG2_03 | Record | 36 Byte | ro | Switch-off Event 3 Receiver Guest2 | | |
| 11184 (0x2BB0) | SwOffEventRG2_04 | Record | 36 Byte | ro | Switch-off Event 4 Receiver Guest2 | | |
| 11185 (0x2BB1) | SwOffEventRG2_05 | Record | 36 Byte | ro | Switch-off Event 5 Receiver Guest2 | | |
| 11186 (0x2BB2) | SwOffEventRG2_06 | Record | 36 Byte | ro | Switch-off Event 6 Receiver Guest2 | | |
| 11187 (0x2BB3) | SwOffEventRG2_07 | Record | 36 Byte | ro | Switch-off Event 7 Receiver Guest2 | | |
| 11188 (0x2BB4) | SwOffEventRG2_08 | Record | 36 Byte | ro | Switch-off Event 8 Receiver Guest2 | | |
| 11189 (0x2BB5) | SwOffEventRG2_09 | Record | 36 Byte | ro | Switch-off Event 9 Receiver Guest2 | | |
| 11820 (0x2E2C) | DeviceDataRG2 | Record | 10 Byte | ro | Device Data Receiver Guest2 | | |
| 11822 (0x2E2E) | BeamStatusRG2 | Array | 27 Byte | ro | Unsigned Integer8 [27] | 1 Bit for each beam; True = Beam free, False = Beam interrupted (Bit0 in first element corresponds to beam1 which is far from system plug) | |
| 11823 (0x2E2F) | WeakStatusRG2 | Array | 27 Byte | ro | Unsigned Integer8 [27] | 1 Bit for each beam; True = Weak signal, False = No weak signal (Bit0 in first element corresponds to beam1 which is far from system plug) | |
| 11824 (0x2E30) | BeamAlignmentRG2 | Array | 56 Byte | ro | Unsigned Integer32 [14] | 2 Bit alignment information for each beam; 0 = no signal, 1 = weak signal, 2 = strong signal, 3 = very strong signal (Bit0/1 in first element corresponds to beam1 which is far from system plug) | |
| 11825 (0x2E31) | AlignmentQualityRG2 | UInt | 8 Bit | ro | 0 = Alignment quality equivalent to 0 LEDs 1 = Alignment quality equivalent to 1 LED 2 = Alignment quality equivalent to 2 LEDs 3 = Alignment quality equivalent to 3 LEDs 4 = Alignment quality equivalent to 4 LEDs | Alignment quality equivalent to alignment display | |
| 11826 (0x2E32) | DeviceTimesRG2 | Record | 16 Byte | ro | Device Times Receiver Guest2 | | |
| 12090 (0x2F3A) | ErrorHistorySH_00 | Record | 36 Byte | ro | Error History Element 0 Sender Host | | |

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)



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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 ¹ | Default Value | Value / Range | Remark [Unit] |
| 12091 (0x2F3B) | ErrorHistorySH_01 | Record | 36 Byte | ro | Error History Element 1 Sender Host | | |
| 12092 (0x2F3C) | ErrorHistorySH_02 | Record | 36 Byte | ro | Error History Element 2 Sender Host | | |
| 12093 (0x2F3D) | ErrorHistorySH_03 | Record | 36 Byte | ro | Error History Element 3 Sender Host | | |
| 12094 (0x2F3E) | ErrorHistorySH_04 | Record | 36 Byte | ro | Error History Element 4 Sender Host | | |
| 12095 (0x2F3F) | ErrorHistorySH_05 | Record | 36 Byte | ro | Error History Element 5 Sender Host | | |
| 12096 (0x2F40) | ErrorHistorySH_06 | Record | 36 Byte | ro | Error History Element 6 Sender Host | | |
| 12097 (0x2F41) | ErrorHistorySH_07 | Record | 36 Byte | ro | Error History Element 7 Sender Host | | |
| 12098 (0x2F42) | ErrorHistorySH_08 | Record | 36 Byte | ro | Error History Element 8 Sender Host | | |
| 12099 (0x2F43) | ErrorHistorySH_09 | Record | 36 Byte | ro | Error History Element 9 Sender Host | | |
| 12145 (0x2F71) | DeviceIdentSH | Record | 54 Byte | ro | Device Identification Sender Host | | |
| 12820 (0x3214) | DeviceDataSH | Record | 10 Byte | ro | Device Data Sender Host | | |
| 12826 (0x321A) | DeviceTimesSH | Record | 16 Byte | ro | Device Times Sender Host | | |
| 13090 (0x3322) | ErrorHistorySG1_00 | Record | 36 Byte | ro | Error History Element 0 Sender Guest1 | | |
| 13091 (0x3323) | ErrorHistorySG1_01 | Record | 36 Byte | ro | Error History Element 1 Sender Guest1 | | |
| 13092 (0x3324) | ErrorHistorySG1_02 | Record | 36 Byte | ro | Error History Element 2 Sender Guest1 | | |
| 13093 (0x3325) | ErrorHistorySG1_03 | Record | 36 Byte | ro | Error History Element 3 Sender Guest1 | | |
| 13094 (0x3326) | ErrorHistorySG1_04 | Record | 36 Byte | ro | Error History Element 4 Sender Guest1 | | |
| 13095 (0x3327) | ErrorHistorySG1_05 | Record | 36 Byte | ro | Error History Element 5 Sender Guest1 | | |
| 13096 (0x3328) | ErrorHistorySG1_06 | Record | 36 Byte | ro | Error History Element 6 Sender Guest1 | | |
| 13097 (0x3329) | ErrorHistorySG1_07 | Record | 36 Byte | ro | Error History Element 7 Sender Guest1 | | |
| 13098 (0x332A) | ErrorHistorySG1_08 | Record | 36 Byte | ro | Error History Element 8 Sender Guest1 | | |
| 13099 (0x332B) | ErrorHistorySG1_09 | Record | 36 Byte | ro | Error History Element 9 Sender Guest1 | | |
| 13145 (0x3359) | DeviceIdentSG1 | Record | 54 Byte | ro | Device Identification Sender Guest1 | | |
| 13820 (0x35FC) | DeviceDataSG1 | Record | 10 Byte | ro | Device Data Sender Guest1 | | |
| 13826 (0x3602) | DeviceTimesSG1 | Record | 16 Byte | ro | Device Times Sender Guest1 | | |
| 14090 (0x370A) | ErrorHistorySG2_00 | Record | 36 Byte | ro | Error History Element 0 Sender Guest2 | | |
| 14091 (0x370B) | ErrorHistorySG2_01 | Record | 36 Byte | ro | Error History Element 1 Sender Guest2 | | |
| 14092 (0x370C) | ErrorHistorySG2_02 | Record | 36 Byte | ro | Error History Element 2 Sender Guest2 | | |
| 14093 (0x370D) | ErrorHistorySG2_03 | Record | 36 Byte | ro | Error History Element 3 Sender Guest2 | | |
| 14094 (0x370E) | ErrorHistorySG2_04 | Record | 36 Byte | ro | Error History Element 4 Sender Guest2 | | |
| 14095 (0x370F) | ErrorHistorySG2_05 | Record | 36 Byte | ro | Error History Element 5 Sender Guest2 | | |
| 14096 (0x3710) | ErrorHistorySG2_06 | Record | 36 Byte | ro | Error History Element 6 Sender Guest2 | | |
| 14097 (0x3711) | ErrorHistorySG2_07 | Record | 36 Byte | ro | Error History Element 7 Sender Guest2 | | |
| 14098 (0x3712) | ErrorHistorySG2_08 | Record | 36 Byte | ro | Error History Element 8 Sender Guest2 | | |
| 14099 (0x3713) | ErrorHistorySG2_09 | Record | 36 Byte | ro | Error History Element 9 Sender Guest2 | | |
| 14145 (0x3741) | DeviceIdentSG2 | Record | 54 Byte | ro | Device Identification Sender Guest2 | | |
| 14820 (0x39E4) | DeviceDataSG2 | Record | 10 Byte | ro | Device Data Sender Guest2 | | |
| 14826 (0x39EA) | DeviceTimesSG2 | Record | 16 Byte | ro | Device Times Sender Guest2 | | |

| Standard command | | | | | | | |
|------------------|------------------|-----------------|--------|---------------------|---------------|---------------|--------------------------|
| Index dec (hex) | Name | Format (Offset) | Length | Access ¹ | Default Value | Value / Range | Remark [Unit] |
| 2 (0x02) | Standard Command | | | wo | 130 | | Restore Factory Settings |

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)