



8019737 0319

WL4SC-3\_A00

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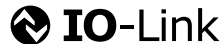
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Please note the validity of the additional operating instructions for automation functions

## 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 <sup>2</sup>     | COM2     |
| Process Data Length (IN)  | 2 Byte   |
| IODD version              | V1.19790 |
| Valid for IO-Link version | 1.1.0    |

### 2. Process data

Record: 2 Byte

|               |    |    |    |    |    |    |   |   |
|---------------|----|----|----|----|----|----|---|---|
| Bitoffset     | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 |
| Byte 0        |    |    |    |    |    |    |   |   |
| Type/Subindex |    |    |    |    |    |    |   |   |

|               |   |   |   |   |   |   |         |         |
|---------------|---|---|---|---|---|---|---------|---------|
| Bitoffset     | 7 | 6 | 5 | 4 | 3 | 2 | 1       | 0       |
| Byte 1        |   |   |   |   |   |   | Bit1    | Bit0    |
| Type/Subindex |   |   |   |   |   |   | Boolean | Boolean |

### 3. Service data

The following ISDUs will not be saved via Data-Storage: Profile Characteristic, Teach-In Channel, Teach-In State, Setpoint 1, Q1 configuration, Setpoint 2, Q2 configuration, Device / function name, Sender configuration, Quality of teach, Quality of run, Current receiver level (live), Upper Threshold (switch-on) dynamic, Lower Threshold (switch-off) dynamic and SLTI Version

| IO-Link specific |                               |                 |         |                     |               |                                                                                                                                       |               |
|------------------|-------------------------------|-----------------|---------|---------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Index dec (hex)  | Name                          | Format (Offset) | Length  | Access <sup>1</sup> | Default Value | Value / Range                                                                                                                         | Remark [Unit] |
| 0 (0x00)         | Direct Parameters 1           | Record          | 16 Byte | rw                  |               |                                                                                                                                       |               |
| 1 (0x01)         | Direct Parameters 2           | Record          | 16 Byte | rw                  |               |                                                                                                                                       |               |
| 12 (0x0C)        | Device Access Locks           | Record          | 2 Byte  | rw                  |               |                                                                                                                                       |               |
| 1 (0x01)         | Parameter (write) Access Lock | Bit (0)         | 1 Bit   | rw                  |               |                                                                                                                                       |               |
| 2 (0x02)         | Data Storage Lock             | Bit (1)         | 1 Bit   | rw                  |               |                                                                                                                                       |               |
| 3 (0x03)         | Local Parameterization Lock   | Bit (2)         | 1 Bit   | rw                  |               |                                                                                                                                       |               |
| 4 (0x04)         | Local User Interface Lock     | Bit (3)         | 1 Bit   | rw                  |               |                                                                                                                                       |               |
| 16 (0x10)        | Vendor Name                   | String          | 7 Byte  | ro                  | SICK AG       |                                                                                                                                       |               |
| 18 (0x12)        | Product Name                  | String          | 18 Byte | ro                  |               |                                                                                                                                       |               |
| 19 (0x13)        | Product ID                    | String          | 13 Byte | ro                  |               |                                                                                                                                       |               |
| 20 (0x14)        | Product Text                  | String          | 45 Byte | ro                  |               |                                                                                                                                       |               |
| 21 (0x15)        | Serial Number                 | String          | 8 Byte  | ro                  |               |                                                                                                                                       |               |
| 22 (0x16)        | Hardware Version              | String          | 4 Byte  | ro                  |               |                                                                                                                                       |               |
| 23 (0x17)        | Firmware Version              | String          | 19 Byte | ro                  |               |                                                                                                                                       |               |
| 24 (0x18)        | Application Specific Tag      | String          | 32 Byte | rw                  | *****         |                                                                                                                                       |               |
| 36 (0x24)        | Device Status                 | UInt            | 8 Bit   | ro                  |               | 0 = Device is OK<br>1 = Maintenance required<br>2 = Out of specification<br>3 = Functional check<br>4 = Failure<br>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] |
| 13 (0x0D)            | Profile Characteristic | Array           | 10 Byte | ro                  |               | Unsigned Integer16 [5]                                                     |               |
| 14 (0x0E)            | PDInput Descriptor     | Array           | 6 Byte  | ro                  |               | Octet String [2]                                                           |               |
| 15 (0x0F)            | PDOutput Descriptor    | Array           | 3 Byte  | ro                  |               | Octet String [1]                                                           |               |
| 58 (0x3A)            | Teach-In Channel       | UInt            | 8 Bit   | rw                  | 0             | 0...2 = Default BDC                                                        |               |
| 59 (0x3B)            | Teach-In State         | Record          | 1 Byte  | ro                  |               |                                                                            |               |
| 1 (0x01)             | Teach Flags            | Bit (4)         | 1 Bit   | ro                  |               | false = Teachpoint 1 not taught<br>true = Teachpoint 1 successfully taught |               |
| 2 (0x02)             | Teach State            | Bit (0)         | 4 Bit   | ro                  |               | 0 = IDLE<br>1 = SP1 SUCCESS<br>5 = BUSY                                    |               |
| 60 (0x3C)            | Setpoint 1             | Record          | 2 Byte  | rw                  |               |                                                                            |               |

## DEUTSCH

### 1. Physikalische Schicht

Hinweis: Max. Stromaufnahme des IO-Link Devices (inkl. Lastströme) darf max. Ausgangsstrom des Master-Ports nicht überschreiten.

|                            |          |
|----------------------------|----------|
| SIO Modus                  | ja       |
| Min. Zykluszeit            | 2.3 ms   |
| Baudrate <sup>2</sup>      | COM2     |
| Prozessdatenlänge (IN)     | 2 Byte   |
| IODD Version               | V1.19790 |
| Gültig für IO-Link Version | 1.1.0    |

### 2. Prozessdaten

Record: 2 Byte

|               |    |    |    |    |    |    |   |   |
|---------------|----|----|----|----|----|----|---|---|
| Bitoffset     | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 |
| Byte 0        |    |    |    |    |    |    |   |   |
| Type/Subindex |    |    |    |    |    |    |   |   |

|               |   |   |   |   |   |   |         |         |
|---------------|---|---|---|---|---|---|---------|---------|
| Bitoffset     | 7 | 6 | 5 | 4 | 3 | 2 | 1       | 0       |
| Byte 1        |   |   |   |   |   |   | Bit1    | Bit0    |
| Type/Subindex |   |   |   |   |   |   | Boolean | Boolean |

### 3. Servicedaten

Die folgenden ISDUs werden nicht über Data-Storage gesichert: Profile Characteristic, Teach-in-Kanal, Teach-in-Status, Setpoint 1, Q1-Konfiguration, Setpoint 2, Q2-Konfiguration, Geräte name / -funktion, Einstellung Sender, Teach-in-Qualität, Betriebssicherheit, Aktueller Empfangssignalpegel, Einschaltsschwelle dynamisch, Ausschaltsschwelle dynamisch und SLTI Version

| IO-Link spezifisch |                                    |                 |         |                      |               |                                                                                                                                               |                     |  |
|--------------------|------------------------------------|-----------------|---------|----------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------|--|
| Index dez (hex)    | Name                               | Format (Offset) | Länge   | Zugriff <sup>1</sup> | Standard Wert | Wertebereich                                                                                                                                  | Bemerkung [Einheit] |  |
| 0 (0x00)           | Direkte Parameter 1                | Record          | 16 Byte | rw                   |               |                                                                                                                                               |                     |  |
| 1 (0x01)           | Direkte Parameter 2                | Record          | 16 Byte | rw                   |               |                                                                                                                                               |                     |  |
| 12 (0x0C)          | Gerätezugriffssperren              | Record          | 2 Byte  | rw                   |               |                                                                                                                                               |                     |  |
| 1 (0x01)           | Parameter (Schreib-)Zugriffssperre | Bit (0)         | 1 Bit   | rw                   |               |                                                                                                                                               |                     |  |
| 2 (0x02)           | Datenspeicherungs-sperre           | Bit (1)         | 1 Bit   | rw                   |               |                                                                                                                                               |                     |  |
| 3 (0x03)           | Lokale Parameterisierungssperre    | Bit (2)         | 1 Bit   | rw                   |               |                                                                                                                                               |                     |  |
| 4 (0x04)           | Lokale Benutzerinterface-Sperre    | Bit (3)         | 1 Bit   | rw                   |               |                                                                                                                                               |                     |  |
| 16 (0x10)          | Herstellername                     | String          | 7 Byte  | ro                   | SICK AG       |                                                                                                                                               |                     |  |
| 18 (0x12)          | Produktname                        | String          | 18 Byte | ro                   |               |                                                                                                                                               |                     |  |
| 19 (0x13)          | Produkt-ID                         | String          | 13 Byte | ro                   |               |                                                                                                                                               |                     |  |
| 20 (0x14)          | Produkttext                        | String          | 45 Byte | ro                   |               |                                                                                                                                               |                     |  |
| 21 (0x15)          | Seriennummer                       | String          | 8 Byte  | ro                   |               |                                                                                                                                               |                     |  |
| 22 (0x16)          | Hardwareversion                    | String          | 4 Byte  | ro                   |               |                                                                                                                                               |                     |  |
| 23 (0x17)          | Firmwareversion                    | String          | 19 Byte | ro                   |               |                                                                                                                                               |                     |  |
| 24 (0x18)          | Anwendungsspezifische Markierung   | String          | 32 Byte | rw                   | *****         |                                                                                                                                               |                     |  |
| 36 (0x24)          | Gerätestatus                       | UInt            | 8 Bit   | ro                   |               | 0 = Gerät ist OK<br>1 = Wartung erforderlich<br>2 = Außerhalb der Spezifikation<br>3 = Funktionsprüfung<br>4 = Fehler<br>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] |  |
| 13 (0x0D)       | Profile Characteristic | Array           | 10 Byte | ro                   |               | Unsigned Integer16 [5]                                            |                     |  |
| 14 (0x0E)       | PDInput Descriptor     | Array           | 6 Byte  | ro                   |               | Octet String [2]                                                  |                     |  |
| 15 (0x0F)       | PDOutput Descriptor    | Array           | 3 Byte  | ro                   |               | Octet String [1]                                                  |                     |  |
| 58 (0x3A)       | Teach-in-Kanal         | UInt            | 8 Bit   | rw                   | 0             | 0...2 = Standard-BDC                                              |                     |  |
| 59 (0x3B)       | Teach-in-Status        | Record          | 1 Byte  | ro                   |               |                                                                   |                     |  |
| 1 (0x01)        | Teach Flags            | Bit (4)         | 1 Bit   | ro                   |               | false = Teachpunkt 1 nicht gesetzt<br>true = Teachpunkt 1 gesetzt |                     |  |
| 2 (0x02)        | Teach Status           | Bit (0)         | 4 Bit   | ro                   |               | 0 = Bereit<br>1 = SP1 erfolgreich<br>5 = In Arbeit                |                     |  |
| 60 (0x3C)       | Setpoint 1             | Record          | 2 Byte  | rw                   |               |                                                                   |                     |  |

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

<sup>2</sup>COM values specify the bitrate (see IO-Link specification) / COM Werte spezifizieren die Baudrate (s. IO-Link Spezifikation): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

# SICK

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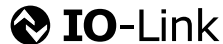
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Please note the validity of the additional operating instructions for automation functions

| ENGLISH              |                                      |                 |         |                     |               |                                                                                                                                                                        |               |
|----------------------|--------------------------------------|-----------------|---------|---------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| SICK device specific |                                      |                 |         |                     |               |                                                                                                                                                                        |               |
| Index dec (hex)      | Name                                 | Format (Offset) | Length  | Access <sup>1</sup> | Default Value | Value / Range                                                                                                                                                          | Remark [Unit] |
| 1 (0x01)             | Upper Threshold (switch-on)          | Bit (8)         | 8 Bit   | rw                  | 90            | 10...90<br>110...200                                                                                                                                                   | [%]           |
| 2 (0x02)             | Lower Threshold (switch-off)         | Bit (0)         | 8 Bit   | rw                  | 85            | 5...85<br>105...195                                                                                                                                                    | [%]           |
| 61 (0x3D)            | Q1 configuration                     | Record          | 4 Byte  | rw                  |               |                                                                                                                                                                        |               |
| 1 (0x01)             | Logic                                | Bit (24)        | 8 Bit   | rw                  | 128           | 128 = Vendor specific                                                                                                                                                  |               |
| 2 (0x02)             | Mode                                 | Bit (16)        | 8 Bit   | rw                  | 128           | 128 = Vendor specific                                                                                                                                                  |               |
| 3 (0x03)             | Hysteresis                           | Bit (0)         | 16 Bit  | rw                  | 0             | 0 = Autodefined hysteresis                                                                                                                                             |               |
| 62 (0x3E)            | Setpoint 2                           | Record          | 2 Byte  | rw                  |               |                                                                                                                                                                        |               |
| 1 (0x01)             | Upper Threshold (switch-on)          | Bit (8)         | 8 Bit   | rw                  | 90            | 10...90<br>110...200                                                                                                                                                   |               |
| 2 (0x02)             | Lower Threshold (switch-off)         | Bit (0)         | 8 Bit   | rw                  | 85            | 5...85<br>105...195                                                                                                                                                    |               |
| 63 (0x3F)            | Q2 configuration                     | Record          | 4 Byte  | rw                  |               |                                                                                                                                                                        |               |
| 1 (0x01)             | Logic                                | Bit (24)        | 8 Bit   | rw                  | 128           | 128 = Vendor specific                                                                                                                                                  |               |
| 2 (0x02)             | Mode                                 | Bit (16)        | 8 Bit   | rw                  | 128           | 128 = Vendor specific                                                                                                                                                  |               |
| 3 (0x03)             | Hysteresis                           | Bit (0)         | 16 Bit  | rw                  | 0             | 0 = Autodefined hysteresis                                                                                                                                             |               |
| 64 (0x40)            | Device / function name               | String          | 32 Byte | rw                  | *****         |                                                                                                                                                                        |               |
| 83 (0x53)            | Detection Mode WL                    | UInt            | 8 Bit   | rw                  | 0             | 0 = Transparent Object Mode<br>1 = Transparent Foil Mode<br>2 = Non-transparent Mode<br>3 = Manual Mode                                                                |               |
| 97 (0x61)            | Sender configuration                 | UInt            | 8 Bit   | rw                  | 0             | 0 = Sender active<br>1 = Sender not active                                                                                                                             |               |
| 112 (0x70)           | Continuous threshold adaption (CTA)  | UInt            | 8 Bit   | rw                  | 1             | 0 = off<br>1 = on - time based<br>2 = on - event based                                                                                                                 |               |
| 113 (0x71)           | Threshold Presetting                 | UInt            | 8 Bit   | rw                  | 0             | 0 = 10% (Transparent Mode)<br>1 = 18% (Transparent Mode)<br>2 = 40% (Transparent Mode)<br>3 = Non-transparent Mode<br>4 = Manual Mode                                  |               |
| 114 (0x72)           | Quality of teach                     | UInt            | 8 Bit   | ro                  |               | 0...100                                                                                                                                                                | [%]           |
| 121 (0x79)           | Pin 2 configuration                  | UInt            | 8 Bit   | rw                  | 32            | 0 = Deactivated<br>1 = External input<br>16 = Sender off<br>17 = Teach-in<br>32 = Detection output Q/<br>33 = Quality of run alarm output<br>34 = Switching signal QL2 |               |
| 175 (0xAF)           | Quality of run                       | UInt            | 8 Bit   | ro                  |               | 0...255                                                                                                                                                                | [%]           |
| 176 (0xB0)           | Quality of run alarm threshold       | UInt            | 8 Bit   | rw                  | 50            | 0...90                                                                                                                                                                 | [%]           |
| 180 (0xB4)           | Current receiver level (live)        | UInt            | 8 Bit   | ro                  |               | 0...255                                                                                                                                                                | [%]           |
| 181 (0xB5)           | Upper Threshold (switch-on) dynamic  | UInt            | 8 Bit   | ro                  |               | 0...255                                                                                                                                                                | [%]           |
| 182 (0xB6)           | Lower Threshold (switch-off) dynamic | UInt            | 8 Bit   | ro                  |               | 0...255                                                                                                                                                                | [%]           |
| 205 (0xCD)           | SICK profile version                 | String          | 4 Byte  | ro                  |               |                                                                                                                                                                        |               |
| 219 (0xDB)           | Article No.                          | Record          | 7 Byte  | ro                  |               |                                                                                                                                                                        |               |
| 1 (0x01)             | Article No. IO-Link Device           | Bit (0)         | 7 Byte  | ro                  |               |                                                                                                                                                                        |               |
| 226 (0xE2)           | System state                         | Record          | 1 Byte  | ro                  |               |                                                                                                                                                                        |               |
| 1 (0x01)             | Quality of run alarm output          | Bit (1)         | 1 Bit   | ro                  |               | false = Alarm not active<br>true = Alarm active                                                                                                                        |               |

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

<sup>2</sup>COM values specify the bitrate (see IO-Link specification) / COM Werte spezifizieren die Baudrate (s. IO-Link Spezifikation): COM1 (4,8 kbit/s), COM2 (38,4 kbit/s), COM3 (230,4 kbit/s)

| DEUTSCH         |                                   |                 |         |                      |               |                                                                                                                                                                             |                     |
|-----------------|-----------------------------------|-----------------|---------|----------------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| SICK spezifisch |                                   |                 |         |                      |               |                                                                                                                                                                             |                     |
| Index dez (hex) | Name                              | Format (Offset) | Länge   | Zugriff <sup>1</sup> | Standard Wert | Wertebereich                                                                                                                                                                | Bemerkung [Einheit] |
| 1 (0x01)        | Einschaltsschwelle                | Bit (8)         | 8 Bit   | rw                   | 90            | 10...90<br>110...200                                                                                                                                                        | [%]                 |
| 2 (0x02)        | Ausschaltsschwelle                | Bit (0)         | 8 Bit   | rw                   | 85            | 5...85<br>105...195                                                                                                                                                         | [%]                 |
| 61 (0x3D)       | Q1-Konfiguration                  | Record          | 4 Byte  | rw                   |               |                                                                                                                                                                             |                     |
| 1 (0x01)        | Logik                             | Bit (24)        | 8 Bit   | rw                   | 128           | 128 = Hersteller-spezifisch                                                                                                                                                 |                     |
| 2 (0x02)        | Modus                             | Bit (16)        | 8 Bit   | rw                   | 128           | 128 = Hersteller-spezifisch                                                                                                                                                 |                     |
| 3 (0x03)        | Hysterese                         | Bit (0)         | 16 Bit  | rw                   | 0             | 0 = Automatische Hysterese                                                                                                                                                  |                     |
| 62 (0x3E)       | Setpoint 2                        | Record          | 2 Byte  | rw                   |               |                                                                                                                                                                             |                     |
| 1 (0x01)        | Einschaltsschwelle                | Bit (8)         | 8 Bit   | rw                   | 90            | 10...90<br>110...200                                                                                                                                                        |                     |
| 2 (0x02)        | Ausschaltsschwelle                | Bit (0)         | 8 Bit   | rw                   | 85            | 5...85<br>105...195                                                                                                                                                         |                     |
| 63 (0x3F)       | Q2-Konfiguration                  | Record          | 4 Byte  | rw                   |               |                                                                                                                                                                             |                     |
| 1 (0x01)        | Logik                             | Bit (24)        | 8 Bit   | rw                   | 128           | 128 = Hersteller-spezifisch                                                                                                                                                 |                     |
| 2 (0x02)        | Modus                             | Bit (16)        | 8 Bit   | rw                   | 128           | 128 = Hersteller-spezifisch                                                                                                                                                 |                     |
| 3 (0x03)        | Hysterese                         | Bit (0)         | 16 Bit  | rw                   | 0             | 0 = Automatische Hysterese                                                                                                                                                  |                     |
| 64 (0x40)       | Gerätename / -funktion            | String          | 32 Byte | rw                   | *****         |                                                                                                                                                                             |                     |
| 83 (0x53)       | Detektionsmodus WL                | UInt            | 8 Bit   | rw                   | 0             | 0 = Transparente Objekte<br>1 = Transparente Folien<br>2 = Nicht-transparente Objekte<br>3 = Manuell                                                                        |                     |
| 97 (0x61)       | Einstellung Sender                | UInt            | 8 Bit   | rw                   | 0             | 0 = Sender aktiv<br>1 = Sender nicht aktiv                                                                                                                                  |                     |
| 112 (0x70)      | Automatische Schwellennachführung | UInt            | 8 Bit   | rw                   | 1             | 0 = aus<br>1 = ein - zeitbasiert<br>2 = ein - eventbasiert                                                                                                                  |                     |
| 113 (0x71)      | Schaltsschwellen-Modi             | UInt            | 8 Bit   | rw                   | 0             | 0 = 10% (Transparente Objekte Modus)<br>1 = 18% (Transparente Objekte Modus)<br>2 = 40% (Transparente Objekte Modus)<br>3 = Nicht-transparente Objekte Modus<br>4 = Manuell |                     |
| 114 (0x72)      | Teach-in-Qualität                 | UInt            | 8 Bit   | ro                   |               | 0...100                                                                                                                                                                     | [%]                 |
| 121 (0x79)      | Pin-2-Konfiguration               | UInt            | 8 Bit   | rw                   | 32            | 0 = Deaktiviert<br>1 = Externer Eingang<br>16 = Sender Aus<br>17 = Teach-in<br>32 = Detektionsausgang Q/<br>33 = Alarmausgang Betriebssicherheit<br>34 = Schaltsignal QL2   |                     |
| 175 (0xAF)      | Betriebssicherheit                | UInt            | 8 Bit   | ro                   |               | 0...255                                                                                                                                                                     | [%]                 |
| 176 (0xB0)      | Alarmschwelle Betriebssicherheit  | UInt            | 8 Bit   | rw                   | 50            | 0...90                                                                                                                                                                      | [%]                 |
| 180 (0xB4)      | Aktueller Empfangssignalpegel     | UInt            | 8 Bit   | ro                   |               | 0...255                                                                                                                                                                     | [%]                 |
| 181 (0xB5)      | Einschaltsschwelle dynamisch      | UInt            | 8 Bit   | ro                   |               | 0...255                                                                                                                                                                     | [%]                 |
| 182 (0xB6)      | Ausschaltsschwelle dynamisch      | UInt            | 8 Bit   | ro                   |               | 0...255                                                                                                                                                                     | [%]                 |
| 205 (0xCD)      | SICK-Profilversion                | String          | 4 Byte  | ro                   |               |                                                                                                                                                                             |                     |
| 219 (0xDB)      | Artikelnummer                     | Record          | 7 Byte  | ro                   |               |                                                                                                                                                                             |                     |
| 1 (0x01)        | Artikelnummer IO-Link-Gerät       | Bit (0)         | 7 Byte  | ro                   |               |                                                                                                                                                                             |                     |
| 226 (0xE2)      | Systemstatus                      | Record          | 1 Byte  | ro                   |               |                                                                                                                                                                             |                     |
| 1 (0x01)        | Alarmausgang Betriebssicherheit   | Bit (1)         | 1 Bit   | ro                   |               | false = Alarm nicht aktiv<br>true = Alarm aktiv                                                                                                                             |                     |





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|                                                                            |                                                          |
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| <b>Brasil</b><br>Phone +55 11 5215-4900                                    | <b>Polka</b><br>Phone +48 22 837 40 50                   |
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| <b>Japan</b><br>Phone +81 (03) 5309 2112                                   | <b>United Arab Emirates</b><br>Phone +971 (0) 4 5855 878 |
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Please note the validity of the additional operating instructions for automation functions

| ENGLISH        |                 |                              |                                                                                                               |
|----------------|-----------------|------------------------------|---------------------------------------------------------------------------------------------------------------|
| Error          |                 |                              |                                                                                                               |
| Code dec (hex) | Additional Code | Name                         | Remark [Unit]                                                                                                 |
| 128 (0x80)     | 35 (0x23)       | Access denied                | Write access on a read-only parameter                                                                         |
| 128 (0x80)     | 48 (0x30)       | Parameter value out of range | Written parameter value is outside its permitted value range                                                  |
| 128 (0x80)     | 51 (0x33)       | Parameter length overrun     | Written parameter length is above its pre-defined length                                                      |
| 128 (0x80)     | 52 (0x34)       | Parameter length underrun    | Written parameter length is below its pre-defined length                                                      |
| 128 (0x80)     | 64 (0x40)       | Invalid parameter set        | Written single parameter collides with other actual parameter settings                                        |
| 128 (0x80)     | 65 (0x41)       | Inconsistent parameter set   | Parameter inconsistencies were found at the end of block parameter transfer, device plausibility check failed |

| DEUTSCH        |                 |                                               |                                                                                                              |
|----------------|-----------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Fehlercodes    |                 |                                               |                                                                                                              |
| Code dez (hex) | Additional Code | Name                                          | Bemerkung [Einheit]                                                                                          |
| 128 (0x80)     | 35 (0x23)       | Zugriff verweigert                            | Schreibzugriff auf einen schreibgeschützten Parameter                                                        |
| 128 (0x80)     | 48 (0x30)       | Parameterwert außerhalb des gültigen Bereichs | Geschriebener Parameterwert liegt außerhalb des zulässigen Wertebereichs                                     |
| 128 (0x80)     | 51 (0x33)       | Parameterlänge zu groß                        | Geschriebene Parameterlänge ist größer als erlaubt                                                           |
| 128 (0x80)     | 52 (0x34)       | Parameterlänge zu klein                       | Geschriebene Parameterlänge ist kleiner als erlaubt                                                          |
| 128 (0x80)     | 64 (0x40)       | Ungültiger Parametersatz                      | Geschriebener Einzelparameterwert kollidiert mit den anderen Parametereinstellungen                          |
| 128 (0x80)     | 65 (0x41)       | Inkonsistenter Parametersatz                  | Am Ende des Blockparametertransfers wurden Inkonsistenzen erkannt. Der Geräteplausibilitätscheck schlug fehl |