



Signal tower connection element IO-Link

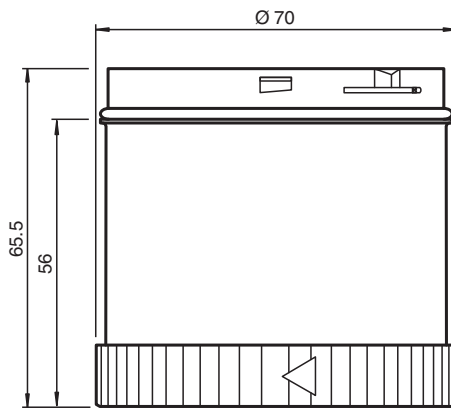
VAZ-70MM-IO

- Modular design
- Bayonet system for simple mounting and dismounting
- Flexible combination of signal elements
- 70-mm-series

Signal tower connection element IO-Link with cover



Dimensions



Technical Data

General specifications

| | |
|----------------|---------|
| UL File Number | E223176 |
| Color | black |

Electrical specifications

| | | |
|-------------------------|-------|---|
| Rated operating voltage | U_e | 24 V DC \pm 10 % |
| Rated operating current | I_e | 6 mA |
| Current consumption | | max. 500 mA per lighting element, max. 2 A in total |
| Inrush current | | 400 mA |

Interface

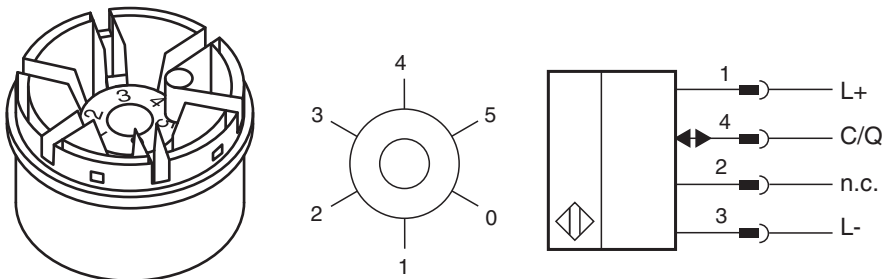
| | |
|--------------------|---|
| Interface type | IO-Link (via C/Q = pin 4) |
| IO-Link revision | 1.1 |
| Vendor ID | 1 (0x0001) |
| Device ID | 983810 (0x0F0302) |
| Transfer rate | COM2 (38.4 kBit/s) |
| Min. cycle time | 5 ms |
| Process data width | Process data input 0 Byte Process data output 2 Byte |

Release date: 2022-06-30 Date of issue: 2022-06-30 Filename: 70136308_eng.pdf

Technical Data

| | |
|----------------------------------|---|
| SIO mode support | no |
| Compatible master port type | A |
| Ambient conditions | |
| Ambient temperature | -30 ... 60 °C (-22 ... 140 °F) |
| Pollution degree | 3 |
| Mechanical specifications | |
| Degree of protection | IP65 |
| Protection class | 2 |
| Connection | Bayonet system |
| Material | PC |
| Mass | 58 g |
| Connection possibilities | Spring terminal, max. 1.5 mm ² |
| Life span | max. 50,000 h |

Connection



| Terminal | M12 | IO-Link |
|----------|-------|-------------------|
| 0 | 3 BU | L- |
| 1 | 1 BN | L+ |
| 2 | n. c. | |
| 3 | 2 WH | 2 L+ (+24 V opt.) |
| 4 | 4 BK | C/Q |
| 5 | n. c. | |



















Mounting

A terminal base is required to install the device. See "Matching system components".


Programming

| Parameter bit | LSB (Byte 0) | MSB (Byte 1) |
|---------------|--------------|--------------|
| Bit 0 | reserved | Segment 1 |
| Bit 1 | reserved | Segment 2 |
| Bit 2 | reserved | Segment 3 |
| Bit 3 | reserved | Segment 4 |
| Bit 4 | reserved | Segment 5 |
| Bit 5 | reserved | reserved |
| Bit 6 | reserved | reserved |
| Bit 7 | reserved | reserved |





Matching System Components

| | | |
|---|--------------------------------------|---|
|  | VAZ-LED-70MM-MC | Stack light LED permanent light element, multicolor |
|  | VAZ-CLAMP-70MM-90° | Stack light terminal base with cover plate |
|  | VAZ-FLASH-70MM-RD | Stack light LED flashing light element, red |
|  | VAZ-FLASH-70MM-YE | Stack light LED flashing light element, yellow |
|  | VAZ-HORN1-70MM-85DBA | Stack light audible alarm |
|  | VAZ-HORN-70MM-0..100DBA-8TONE | Stack light siren element 8 tone |
|  | VAZ-HORN-70MM-105DBA | Stack light audible alarm |
|  | VAZ-LAMP-70MM-BU | Stack light solid light element, blue |
|  | VAZ-LAMP-70MM-CL | Stack light solid light element, clear |
|  | VAZ-LAMP-70MM-GN | Stack light permanent light element, green |
|  | VAZ-LAMP-70MM-RD | Stack light solid light element, red |
|  | VAZ-LAMP-70MM-YE | Stack light solid light element, yellow |
|  | VAZ-LED-70MM-BU | Stack light LED permanent light element, blue |
|  | VAZ-LED-70MM-CL | Stack light LED permanent light element, clear |
|  | VAZ-LED-70MM-GN | Stack light LED permanent light element, green |
|  | VAZ-LED-70MM-LM | Stack light LED permanent light element, lemon yellow |
|  | VAZ-LED-70MM-RD | Stack light LED permanent light element, red |
|  | VAZ-LED-70MM-YE | Stack light LED permanent light element, yellow |

Accessories

| | | |
|---|----------------------------|--|
|  | ICE2-8IOL-K45S-RJ45 | EtherNet/IP IO-Link master with 8 inputs/outputs, DIN rail, screw terminal |
|---|----------------------------|--|

Accessories

| | | |
|---|-----------------------------|--|
|  | ICE3-8IOL-K45P-RJ45 | PROFINET IO IO-Link master with 8 inputs/outputs, DIN rail, push-in terminals |
|  | ICE3-8IOL-K45S-RJ45 | PROFINET IO IO-Link master with 8 inputs/outputs, DIN rail, screw terminal |
|  | IO-Link-Master02-USB | IO-Link master, supply via USB port or separate power supply, LED indicators, M12 plug for sensor connection |
|  | ICE2-8IOL-K45P-RJ45 | EtherNet/IP IO-Link master with 8 inputs/outputs, DIN rail, push-in connectors |