

FCEN-8LKM-8A-MP4

ARTICLE PROPERTIES

| | | | |
|---------------------|--------------------------------|------------------------|--|
| PRODUCT TYPE | IO-Link Master | PROTOCOL | PROFINET, EtherNet/IP, CC-Link IE Field Basic, ModbusTCP |
| DESCRIPTION | Metal housing, 8 IO-Link ports | OPERATING MODES | Auto-negotiation, Auto-MDI/MDI-X |
| ADDRESSING | DHCP, BOOTP | TRANSFER RATE | 10/100 Mbps |

ELECTRICAL DATA

| | | | |
|--|---|------------------------------------|--|
| SUPPLY VOLTAGE | 24 V DC (18 ... 30 V DC) | IO-LINK PORTS | 8 |
| CURRENT CONSUMPTION | Max. 200 mA | IO-LINK TYPE | 8*Class-A |
| SYSTEM & INPUT SUPPLY | Us, Max. 8 A | IO-LINK VERSION | IO-Link V1.1.3 |
| OUTPUT SUPPLY | Ua, Max. 8 A | IO-LINK COMMUNICATION RATES | COM1 (4.8 kbps), COM2 (38.4 kbps), COM3 (230.4 kbps) |
| ELECTRICAL ISOLATION | Us and Ua : 24 V separated, 0 V connected | INPUT CHANNELS | Max. 16 (8*Pin4 + 8*Pin2) |
| POWER SUPPLY | 2 × 7/8" 4 pin, Male + Female | INPUT SUPPLY CURRENT | Pin1 & Pin3: 1.6 A per channel |
| FIELDBUS | 2 × M12 D-code 4 pin, Female | INPUT TYPE | PNP sensors, mechanical switches, dry contacts, etc. |
| SIGNALS | 8 × M12 A-code 5 pin, Female | INPUT DELAY | 1.6 ms |
| COMMUNICATION INDICATION | LED indication, communication message | OUTPUT CHANNELS | Max. 8 (8*Pin2) |
| VOLTAGE DETECTION | Support, low voltage alarm | OUTPUT CURRENT | Max. 2 A per channel |
| SHORT-CIRCUIT & OVERLOAD | Support, LED indication | OUTPUT TYPE | Lamps, solenoidvalve, etc. |
| ACTUATOR SUPPLY UA INDICATOR | Green LED | OUTPUT FREQUENCY | Resistive load 100 Hz, Inductive load 5 Hz |
| IO-LINK COMMUNICATION INDICATOR | Yellow LED | | |
| SENSOR SUPPLY US INDICATOR | Green LED | | |

FUNCTIONAL SAFETY

| | |
|---------------------|-----|
| MTTF (40 °C) | 65a |
|---------------------|-----|

FCEN-8LKM-8A-MP4

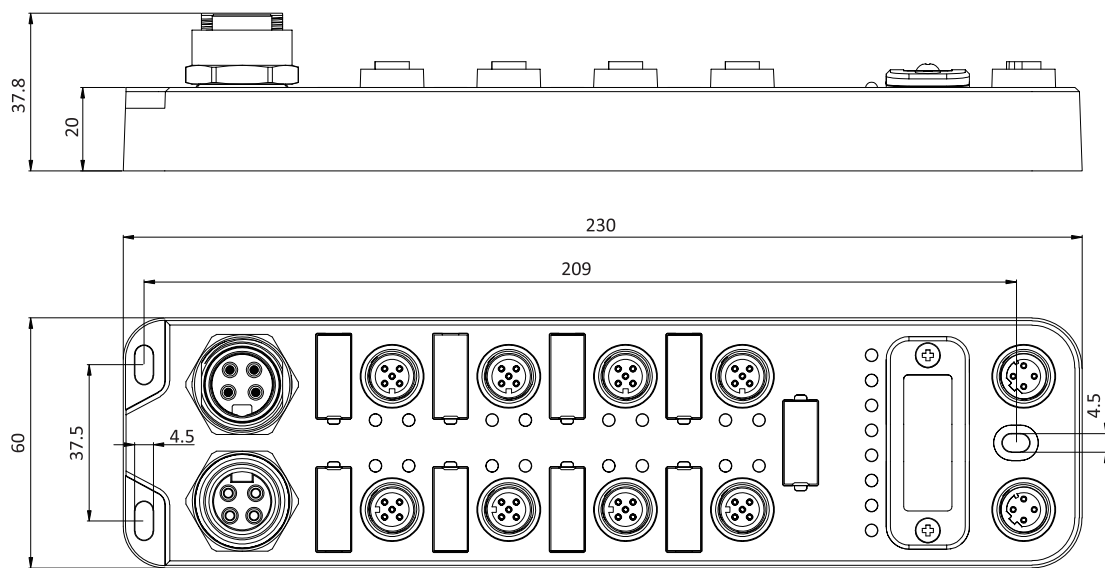
GENERAL DATA

| | | | |
|-------------------------|--------------------|------------------------------|--------------------|
| HOUSING MATERIAL | Casting Zinc Alloy | OPERATING TEMPERATURE | -25 ... +70 °C |
| PROTECTION | IP67 | STORAGE TEMPERATURE | -40 ... +85 °C |
| WEIGHT | 708.7 g | DIMENSIONS | 60 × 230 × 37.8 mm |

APPROVALS

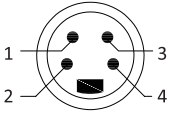
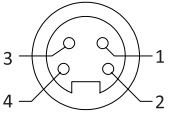


DIMENSIONS

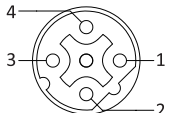
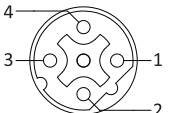


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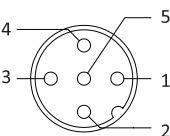
VOLTAGE SUPPLY DRAWING

| POWER IN (MALE) | POWER OUT (FEMALE) | FUNCTION |
|---|---|-------------------|
|  |  | 1 - 24 VDC Ua (+) |
| | | 2 - 24 VDC US (+) |
| | | 3 - GND US (-) |
| | | 4 - GND UA (-) |

FIELD BUS DRAWING

| BUS IN (FEMALE) | BUS OUT (FEMALE) | FUNCTION |
|---|---|------------------|
|  |  | 1 - Transmit TD+ |
| | | 2 - Receive RD+ |
| | | 3 - Transmit TD- |
| | | 4 - Receive RD- |

FIELD BUS DRAWING

| CLASS-A PORT (FEMALE) | FUNCTION |
|---|---------------------------|
|  | 1 - Power supply_24 V+ |
| | 2 - Digital IN/OUT |
| | 3 - Power supply_GND |
| | 4 - IO-Link or Digital IN |
| | 5 - Protective earth_PE |

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