

FCPN-8LKM-8A

ARTICLE PROPERTIES

PRODUCT TYPE	IO-Link Master	PROTOCOL	PROFINET
DESCRIPTION	8 IO-Link ports	OPERATING MODES	Auto-negotiation, Auto-MDI/MDI-X
		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 V1.1.2
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
POWER SUPPLY	2 x 7/8" 5 pin, Male + Female	INPUT SUPPLY CURRENT	IO-Link: 1.6 A per channel, Signal: 200 mA per channel
FIELDBUS	2 x M12 D-code 4 pin, Female	INPUT TYPE	PNP sensors, mechanical switches, dry contacts, etc.
SIGNALS	8 x M12 A-code 5 pin, Female	INPUT DELAY	3.2 ms
COMMUNICATION INDICATION	LED indication, communica- tion message	OUTPUT CHANNELS	Max. 16
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	PROCESS DATA IN	11 bytes
SENSOR SUPPLY US INDICATOR	Green LED	PROCESS DATA OUT	2 bytes

FUNCTIONAL SAFETY

MTTF (40 °C)	42a
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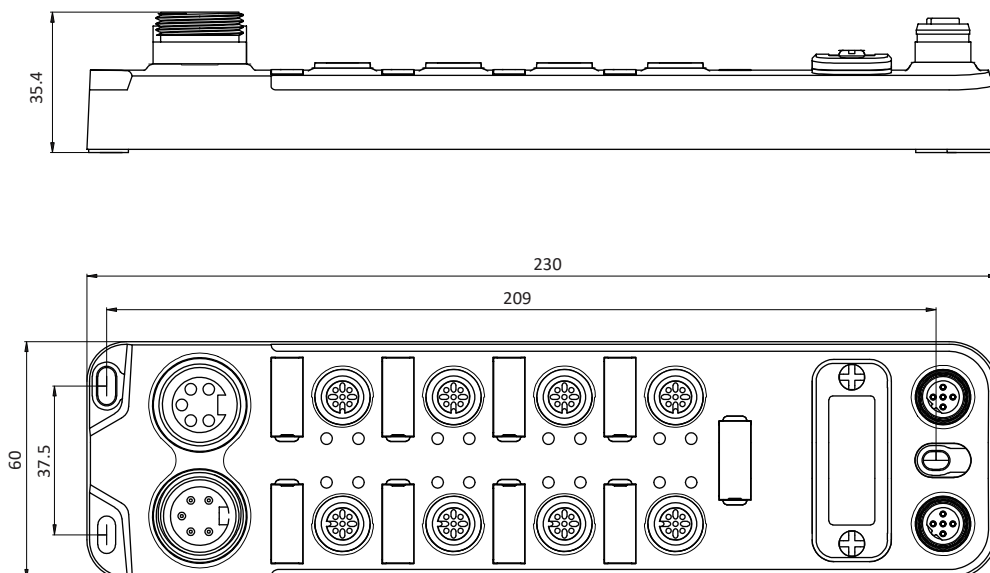
GENERAL DATA

HOUSING MATERIAL	Reinforced nylon + fiberg- lass	OPERATING TEMPERATURE	-25 ... +70 °C
PROTECTION CLASS	IP67	STORAGE TEMPERATURE	-40 ... +85 °C
		DIMENSIONS	60 × 230 × 35.4 mm

APPROVALS



DIMENSIONS



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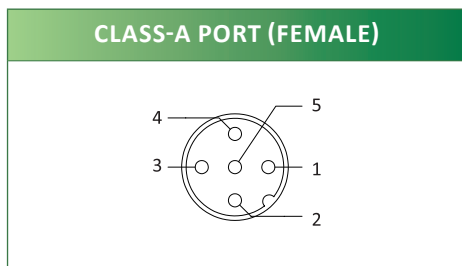
VOLTAGE SUPPLY DRAWING

POWER IN (MALE)	POWER OUT (FEMALE)	FUNCTION
		1 - Auxiliary supply_Ua-
		2 - System / input supply_Us-
		3 - Protective earth_PE
		4 - System / input supply_Us+
		5 - Auxiliary supply_Ua+

FIELD BUS DRAWING

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

I/O PORT DRAWING



I/O PORT (FEMALE)	CLASS-A PORT (FEMALE)	CLASS-B PORT (FEMALE)
1 - Power supply_24 V+	1 - Power supply_24 V+	1 - Power supply_24 V+
2 - Signal IN/OUT_2	2 - Signal IN/OUT	2 - Auxiliary supply_P24
3 - Power supply_GND	3 - Power supply_GND	3 - Power supply_GND
4 - Signal IN/OUT_1	4 - IO-Link or signal IN/OUT	4 - IO-Link or signal IN/OUT
5 - Protective earth_PE	5 - Protective earth_PE	5 - Auxiliary supply_N24

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SALES AND SERVICE

Tianjin Elco Automation Co., Ltd

No. 12, 4th XEDA Branch Road
Xiqing Economic-Technological Development Area
Tianjin 300385, P.R. China
Office Phone: 022 23788282
E-Mail: info@elco.cn
www.elco-holding.com.cn

Elco Industrie Automation GmbH

Benzstrasse 7
71720 Oberstenfeld,
Deutschland
Office Phone: +49 7062 / 6599-260
E-Mail: info@elco-automation.de
www.elco-automation.de

Elco Automation LLC

1097 Highway 101 South, Suite D-3 Greer
South Carolina 29651, USA
Office Phone: +1 864-581-7431
E-Mail: infousa@elcoautomation.com
www.elcoautomation.com

Elco Industrial Automation Pvt Ltd.

No 80, 1st Main, 2nd Cross, Royal Enclave,
Sidedahalli, Nagasandra Bangalore 560073, India
Office Phone: +91-7259931777
E-Mail: info@elcoautomation.in
www.elcoautomation.com

Elco Automation Korea Ltd.

706, 17 Daehak 4-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, Republic of Korea, 16226
Office Phone: +82-31-216-7890
E-Mail: sales@elcoautomation.co.kr
www.elcoautomation.com