

IO-Link Version 1.1.2

Transfer rates: COM1, COM2, COM3

IO-Link ports: Class-A or Class-B

EtherCAT

Ordering data

Product type	FCEC-8LKM-4A4B	FCEC-8LKM-8A	FCEC-4LKM-4A4S
Description	8 IO-Link ports	8 IO-Link ports	4 IO-Link ports

Communication

Protocol	EtherCAT		
Operating modes	Auto-negotiation, Auto-MDI/MDI-X		
Transfer rate	10/100 Mbps		
Addressing	System automatic allocation		

Power supply

Supply voltage	24 VDC (18...30 VDC)		
Current consumption	Max. 200 mA		
System & Input supply	Us, Max. 8 A		
Output supply	Ua, Max. 8 A		
Electrical isolation	Us and Ua completely separated	Us and Ua: 24 V separated, 0 V connected	

Connections

Power supply	2 x 7/8" 5pin, Male+Female		
Fieldbus	2 x M12 D-code 4pin, Female		
Signals	8 x M12 A-code 5pin, Female		

Interface

IO-Link ports	8	8	4
IO-Link type	4*Class-A + 4*Class-B	8*Class-A	4*Class-A
IO-Link version	IO-Link V1.1.2		
IO-Link communication rates	COM1 (4.8kbps), COM2 (38.4kbps), COM3 (230.4kbps)		
Input channels	Max. 12	Max. 16	Max. 16
Input supply current	IO-Link: 1.6A per channel, Signal: 200 mA per channel		
Auxiliary supply current	2A per channel		
Input type	PNP sensors, mechanical switches, dry contacts, etc..		
Input delay	1.6 ms		
Output channels	Max. 12	Max. 16	Max. 16
Output current	Pin2: Max. 2 A; Pin4: Max. 100 mA		
Output type	Lamps, solenoidvalve, etc..		
Output frequency	Resistive load 100 Hz, Inductive load 5 Hz		

Diagnostics

Communication indication	LED indication, Communication message		
Voltage detection	Support, Low voltage alarm		
Short-circuit & Overload	Support, LED indication		

General data

Housing material	Reinforced nylon+fiberglass		
Protection	IP67		
Temperature	Operating -25 ... +70 °C, Storage -40 ... +85 °C		
Dimensions (W*H*D)	60 x 230 x 39 mm		





Dimensions drawing		
Voltage supply drawing Power IN (Male) 1-Auxiliary supply_Ua- 2-System/Input supply_Us- 3-Protective earth_PE 4-System/Input supply_Us+ 5-Auxiliary supply_Ua+ Power Out (Female)		
Fieldbus drawing BUS IN (Female) 1 - Transmit TD+ 2 - Receive RD+ 3 - Transmit TD- 4 - Receive RD- BUS OUT (Female)		
I/O Port drawing I/O Port (Female) 1 - Power supply_24V+ 2 - Signal IN/OUT_2 3 - Power supply_GND 4 - Signal IN/OUT_1 5 - Protective earth_PE Class-A Port (Female) 1 - Power supply_24V+ 2 - Signal IN/OUT 3 - Power supply_GND 4 - IO-Link or Signal IN/OUT 5 - Protective earth_PE Class-B Port (Female) 1 - Power supply_24V+ 2 - Auxiliary supply_P24 3 - Power supply_GND 4 - IO-Link or Signal IN/OUT 5 - Auxiliary supply_N24		