

FCPN-1600P-M12

ARTICLE PROPERTIES

PRODUCT TYPE	Compact67 Profinet	OPERATING MODES	Auto-negotiation, Auto-MDI/MDI-X
DESCRIPTION	16 input, PNP, 8 x M12, star topology	TRANSFER RATE	10 / 100 Mbps
PROTOCOL	Profinet	ADDRESS SETTINGS	Profinet, DCP

ELECTRICAL DATA

SUPPLY VOLTAGE	24 V DC (18 ... 30 V DC)	INPUT CHANNELS	16
MODULE CONSUMPTION CURRENT	Max. 200 mA	INPUT SUPPLY CURRENT	Max. 200 mA per channel
OUTPUT SUPPLY CURRENT	Total max. 8 A	INPUT SIGNAL TYPE	PNP sensor, stroke switch, dry contact, etc.
ELECTRICAL ISOLATION	Module / Ui and Uo voltage isolation	INPUT DELAY	2.5 ms
POWER SUPPLY	2 x 7/8" 5pin, Male + Female	OUTPUT CHANNELS	-
BUS COMMUNICATION	2 x M12 D-code 4pin, Female	OUTPUT RATED CURRENT	Max. 2 A per channel, total max. 8 A
SIGNAL CONNECTION	8 x M12 A-code 4pin, Female	OUTPUT SIGNAL TYPE	Indicator, miniature sole- noid valve, etc.
COMMUNICATION INDICATION	LED indication, communication message	OUTPUT FREQUENCY	Resistive load 100 Hz, Inductive load 5 Hz
VOLTAGE DETECTION	Support, low voltage alarm	PROCESS DATA IN	4 bytes
SHORT-CIRCUIT & OVERLOAD	Support, LED indication	PROCESS DATA OUT	0 bytes
COMMUNICATION INDICATOR	Green LED		
POWER INDICATOR	Green LED		
IO STATUS INDICATOR	Green LED		

FUNCTIONAL SAFETY

MTTF (40 °C)	59a
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GENERAL DATA

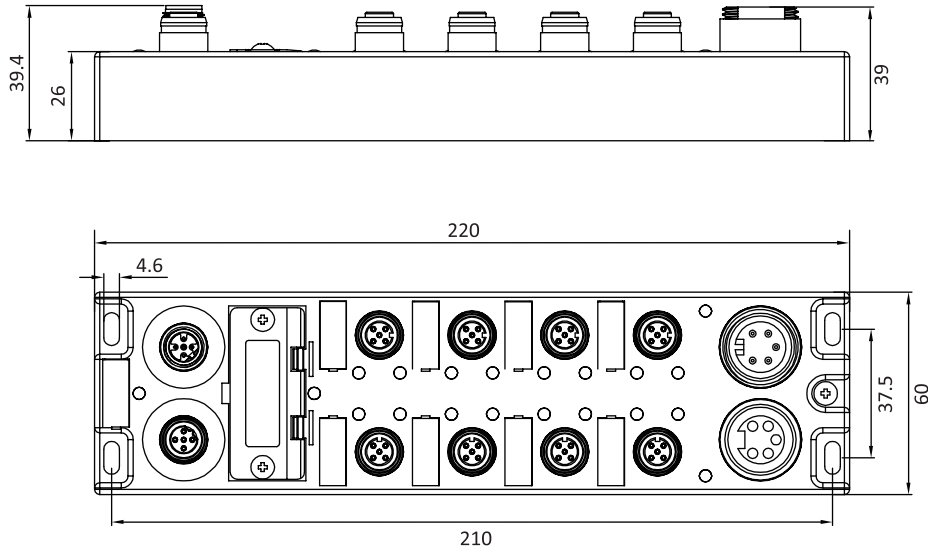
MOUNTING METHOD	4-hole screw mounting	OPERATING TEMPERATURE	-25 ... +70 °C
PROTECTION CLASS	IP67	STORAGE TEMPERATURE	-40 ... +85 °C
WEIGHT	483 g	DIMENSIONS	60 x 220 x 39 mm

APPROVALS



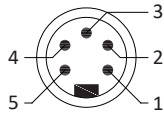
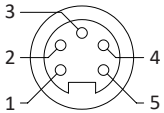
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DIMENSIONS

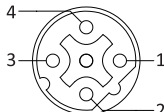
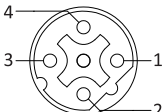


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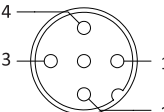
POWER PORT DIAGRAM

POWER IN (MALE)	POWER OUT (FEMALE)	FUNCTION
		1 - Output load power supply 2M
		2 - Gateway / input load power 1M
		3 - PE
		4 - Gateway / input load power 1L+
		5 - Output load power supply 2L+

BUS PORT DIAGRAM

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

SIGNAL PORT DIAGRAM

SIGNAL PORT (FEMALE)	FUNCTION
	1 - power supply 24 V+
	2 - Signal input / output B
	3 - Power supply GND
	4 - Signal input / output A

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