

FCEN-16UP-M12-M

ARTICLE PROPERTIES

PRODUCT TYPE	Compact67	OPERATING MODES	Auto-negotiation, Auto-MDI/MDI-X
DESCRIPTION	16 DI / DO, 8*M12	TRANSFER RATE	10 / 100 Mbps
PROTOCOL	EtherNet/IP, Profinet, CC-Link IE Field Basic	ADDRESS SETTINGS	DHCP, BOOTP

ELECTRICAL DATA

SUPPLY VOLTAGE	24 V DC (18 ... 30 V DC)	INPUT CHANNELS	Max. 16
MODULE CONSUMPTION CURRENT	Max. 200 mA	INPUT SUPPLY CURRENT	Max. 200 mA per channel
SYSTEM&INPUT SUPPLY	Us, max. 12 A	INPUT TYPE	PNP sensors, mechanical switches, dry contacts, etc.
OUTPUT SUPPLY	Ua, max. 12 A	INPUT DELAY	1.6 ms
ELECTRICAL ISOLATION	Us and Ua: 24 V separated 0 V connected	OUTPUT CHANNELS	Max. 16
POWER SUPPLY	2 x M12 L-code 5 pin, Male + Female	OUTPUT CURRENT	Max. 2 A per channel, total max. 12 A
BUS COMMUNICATION	2 x M12 D-code 4 pin, Female	OUTPUT TYPE	Lamps, solenoidvalve, etc.
SIGNAL CONNECTION	8 x M12 A-code 5 pin, Female	OUTPUT FREQUENCY	Resistive load 100Hz, Inductive load 5Hz
COMMUNICATION INDICATION	LED indication, communication message	PROCESS DATA IN	8 bytes
VOLTAGE DETECTION	Support, low voltage alarm	PROCESS DATA OUT	2 bytes
SHORT-CIRCUIT & OVERLOAD	Support, LED indication		
COMMUNICATION INDICATOR	Green LED		
POWER INDICATOR	Green LED		
IO STATUS INDICATOR	Green LED		

FUNCTIONAL SAFETY

MTTF (40 °C)	60a
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GENERAL DATA

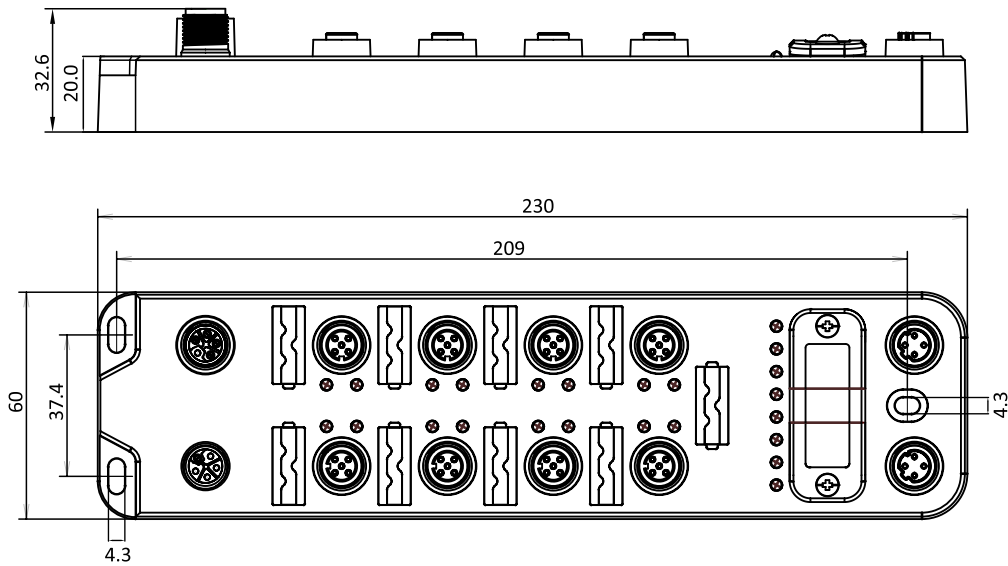
HOUSING MATERIAL	Casting Zinc Alloy	OPERATING TEMPERATURE	-25 ... +70 °C
PROTECTION CLASS	IP67	STORAGE TEMPERATURE	-40 ... +85 °C
WEIGHT	708.7 g	DIMENSIONS	60 x 230 x 32.6 mm

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APPROVALS



DIMENSIONS



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VOLTAGE SUPPLY DRAWING

POWER IN (MALE)	POWER OUT (FEMALE)	FUNCTION
		1 - System/Input supply_Us+
		2 - Auxiliary supply_Ua-
		3 - System/Input supply_Us-
		4 - Auxiliary supply_Ua+
		5 - Function earth_FE

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

CLASS-A PORT (FEMALE)	FUNCTION
	1 - Power supply_24V+
	2 - Digital IN/OUT B
	3 - Power supply_GND
	4 - Digital IN/OUT A
	5 - Protective earth_PE

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SALES AND SERVICE

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