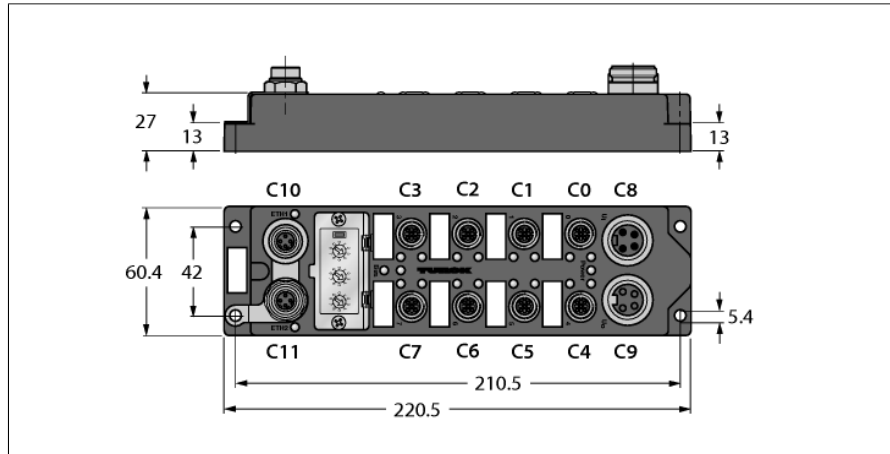


Compact fieldbus I/O modules for EtherNet/IP

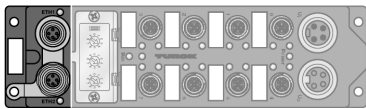
16 digital pnp inputs

FXEN-IM16-0001-IP/CS30007



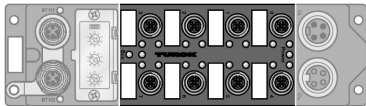
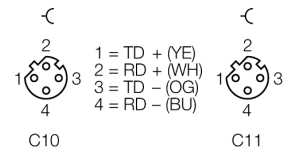
- 16 digital pnp inputs
- For EtherNet/IP applications
- Intergrated Ethernet switch
- Supported via FDT/DTM
- Input diagnostics per slot
- Two channels per connector
- Fibre-glass reinforced PA6 housing
- Vibration and shock-resistant
- Encapsulated module electronics
- Metal connectors
- Degree of protection IP67

Type	FXEN-IM16-0001-IP/CS30007
ID	6825435
Number of channels	16
Operating / load voltage	18...30 VDC
Operating current	< 75 mA
Voltage supply connection	2 x 7/8"
Inputs	
Number of channels	(16) 3-wire pnp sensors
Input voltage	18...30 VDC via operating voltage
Supply current	< 120 mA per channel, short-circuit proof
Switching threshold	2 mA/4 mA
Input delay	2.5 ms
Max. input current	7 mA
Electrical isolation	galvanic isolation against Ethernet
Transmission rate Ethernet	10/100 Mbps
Addressing modes Ethernet:	Static IP, BOOTP, DHCP, PGM, PGM-DHCP
Electrical isolation	to operating and load voltage
Dimensions (W x L x H)	60 x 220.5 x 27 mm
Housing material	fibre-glass reinforced Polyamide (PA6-GF30)
Halogen-free	yes
Mounting	4 mounting holes Ø 5,4 mm
Ambient temperature	0...+55 °C
Storage temperature	-25...+70 °C
Altitude	Max. 5000 m
Vibration test	Acc. to EN 60068-2-6
Shock test	acc. to EN 60068-2-27
Electromagnetic compatibility	Acc. to EN 61131-2
Protection class	IP67
Approvals	CE, cULus
UL Certificate	pol. deg.2, env. temp. max. 40 °C, cl.2 ps req.



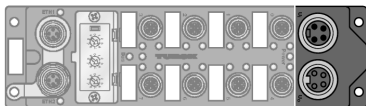
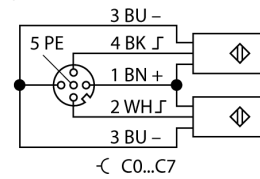
Ethernet
 Fieldbus cable (for example):
 RSSD RSSD 441-2M
 Ident-no. U-02482

Pin Assignment



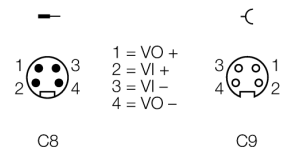
Digital Inputs
 Connection cable (for example):
 RK 4.4T-2-RS 4.4T
 Ident-no. U2445

Pin Assignment



Auxiliary Power
 Connection cable (for example):
 RSM RKM 40-2M
 Ident-no. U2280-0

Pin Assignment



LED status module

LED	Color	Status	Description
ETH1 / ETH2	green	on	Ethernet Link (100 Mbps)
		flashing	Ethernet communication (100 Mbps)
	yellow	on	Ethernet Link (10 Mbps)
		flashing	Ethernet communication (10 Mbps)
		off	no Link
Bus	green	on	active CIP class 1 connection
		flashing	gateway ready
	red	on	gateway error found
		flashing	DHCP/BOOTP search for settings
Power	green	on	Operating and load voltage within the defined tolerances
	red	on	Load voltage below the defined tolerances
		off	Operating voltage below the defined tolerances

LED status IOs

LED	Color	Status	Description
C0.0 - C7.1	green	on	24 VDC at input
	red	on	Overload sensor supply

I/O & Diagnostics Map

INPUT	BYTE	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	-	-	-	-	-	-	-	Diag. Warn
	1	-	-	-	-	-	-	UB Low	-
	2	DI 7	DI 6	DI 5	DI 4	DI 3	DI 2	DI 1	DI 0
	3	DI 15	DI 14	DI 13	DI 12	DI 11	DI 10	DI 9	DI 8
Diagnosics	4	-	-	-	-	-	-	-	Diag. Active
	5	-	-	Module Error	-	-	-	-	-
	6	ISC C7	ISC C6	ISC C5	ISC C4	ISC C3	ISC C2	ISC C1	ISC C0
	7	-	-	-	-	-	-	-	-
OUTPUT	BYTE	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
	0	-	-	-	-	-	-	-	-
	1	-	-	-	-	-	-	-	-