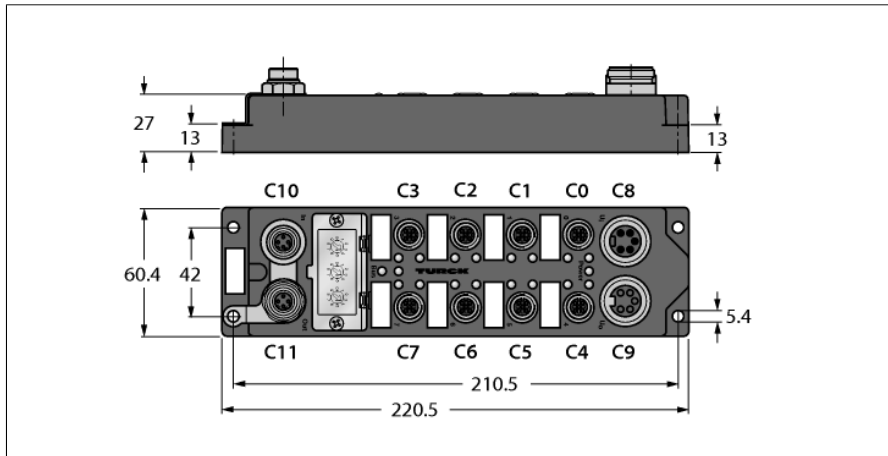


**Compact fieldbus I/O modules for EtherNet/IP**  
**8 digital PNP inputs**  
**8 digital outputs 2 A**  
**FGEN-IOM88-4001/CS30007**

■ CS30007: IP address 136.129.1.xxx



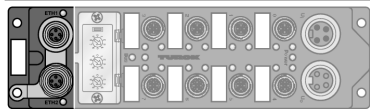
<b>Type designation</b>	FGEN-IOM88-4001/CS30007
Ident-No.	6825443
<b>Number of channels</b>	16
Operating / load voltage	18...30 VDC
Operating current	< 200 mA
Electrical isolation	operating and load voltage galvanically separated
Voltage supply connection	2 x 7/8"
<b>Inputs</b>	
Number of channels	(8) 3-wire pnp sensors
Input voltage	18...30 VDC from operating voltage UB
Supply current	120 mA per port, short-circuit proof
Switching threshold	EN 61131-3
	low max.: 1.5 mA / high min.: 2 mA
Input delay	2.5 ms
Max. input current	7 mA
Electrical isolation	galvanically separated against the bus and outputs
<b>Outputs</b>	
Number of channels	(8) DC actuators
Output voltage	18...30 VDC from load voltage
Output current per channel	2.0 A, short-circuit proof
Load type	resistive, inductive, lamp load
Simultaneity factor	0.25 for entire module
	1* 2A or 2* 1A per port
	total current max. 9 A per module
Electrical isolation	galvanically separated against bus and inputs
<b>System data</b>	
Transmission rate Ethernet	10 MBit/s / 100 MBit/s
Addressing modes Ethernet:	Static IP, BOOTP, DHCP, PGM, PGM-DHCP
Connection technology Ethernet	2 x M12x1, female, 4-pin, D-coded
Service interface	Ethernet
<b>EtherNet/IP™</b>	
Quick Connect (QC)	< 100 ms
Device Level Ring (DLR)	supported
Class 1 connections (CIP)	6
<b>UL Certificate</b>	pol. deg.2, env. temp. max. 40 °C, cl.2 ps req.

**Compact fieldbus I/O modules for EtherNet/IP****8 digital PNP inputs****8 digital outputs 2 A****FGEN-IOM88-4001/CS30007**

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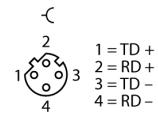
<b>Dimensions (W x L x H)</b>	60 x 220.5 x 27mm
Housing material	fibre-glass reinforced Polyamide (PA6-GF30)
Halogen-free	yes
Mounting	4 mounting holes Ø 5,4 mm
Operating temperature	0...+55 °C
Storage temperature	-25 ...+70 °C
Altitude	max.5000 m
Vibration test	acc. to EN 60068-2-6
Shock test	acc. to 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.

**Compact fieldbus I/O modules for EtherNet/IP**  
**8 digital PNP inputs**  
**8 digital outputs 2 A**  
**FGEN-IOM88-4001/CS30007**

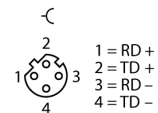


**Accessories**  
 Ethernet cable (example):  
 RSSD-RSSD-441-2M/S2174  
 Ident no. 6914218

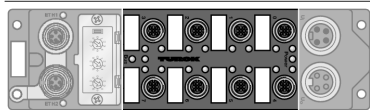
M12 x 1 Ethernet



C10

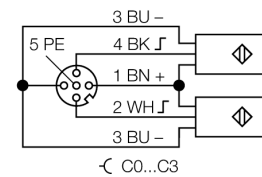


C11



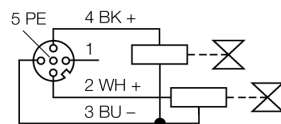
**Accessories**  
 Connection cable , 2-channel (example):  
 RK 4.4T-2-RS 4.4T  
 Ident no. U2445  
 Splitter (example): VBRS 4.4-2RK 4T-\*/  
 Ident-No. U0117

M12 x 1 Input

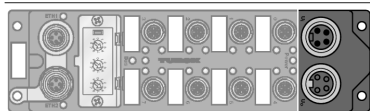


C0...C3

M12 x 1 Output

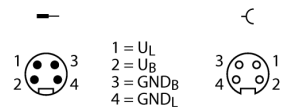


C4...C7



**Accessories**  
 Power supply cable (example):  
 RKM43-1-RSM43  
 Ident no. 6914312

7/8" Power Supply



C8

C9

## Compact fieldbus I/O modules for EtherNet/IP

8 digital PNP inputs

8 digital outputs 2 A

FGEN-IOM88-4001/CS30007

### 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 Ethernet link
Bus	green	on	Active connection to a master
		flashing	ready
	red	on	IP address conflict or Restore Mode
		flashing	DHCP / BootP waiting for assignment of IP address
		off	No power supply
Power	green	on	Operating voltage $U_s$ and load voltage $U_L$ within the defined tolerances
	red	on	Load voltage $U_L$ below the defined tolerances
	off	off	Operating voltage $U_s$ below the defined tolerances

### LED status IOs

LED	Color	Status	Description
C0.I1 ... C3.I8	green	on	Input active
	red	on	Overload of sensor supply at the corresponding connector
		off	Input inactive
C4.O9 ... C7.O16	green	on	Output active
	red	on	Output active with overload / short circuit
	off	off	Output inactive

# Compact fieldbus I/O modules for EtherNet/IP

## 8 digital PNP inputs

## 8 digital outputs 2 A

### FGEN-IOM88-4001/CS30007

#### Process data mapping of single protocols

#### EtherNet/IP™ Data Mapping

	Word	Bit 15	Bit 14	Bit 13	Bit 12	Bit 11	Bit 10	Bit 9	Bit 8	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Input (Station -> Scanner)																	
GW Status	1	-	-	-	-	-	-	UB	-	UL	-	-	-	-	-	-	Diag Warn
Input	2	-	-	-	-	-	-	-	-	DI7 C3P2	DI6 C3P4	DI5 C2P2	DI4 C2P4	DI3 C1P2	DI2 C1P4	DI1 C0P2	DI0 C0P4
Diag	3	-	-	Sched Diag	-	-	-	-	-	-	-	-	-	-	-	-	I/O Diag
Diag	4	SCO7	SCO6	SCO5	SCO4	SCO3	SCO2	SCO1	SCO0	-	-	-	-	SCS3	SCS2	SCS1	SCS0
Output (Scanner -> Station)																	
Control	1	reserved															
Outputs	2	-	-	-	-	-	-	-	-	DO7 C7P2	DO6 C7P4	DO5 C6P2	DO4 C6P4	DO3 C5P2	DO2 C5P4	DO1 C4P2	DO0 C4P4

#### Legend:

DI	Digital input	-	
DO	Digital output	-	
Cx	female	-	
Px	Pin	I/ODiag	I/O diagnostics available
DiagWarn	Diagnostic at least on 1 channel	SchedDiag	Manufacturer-specific diagnostics configured and active
UL	Undervoltage UL	SCSx	Short-circuit on sensor supply at female x
UB	Undervoltage UB	SCOx	Short-circuit output x