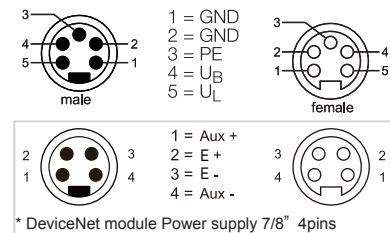


- 16 channel Digital input (PNP)
- System power supply and load power supply independently
- short circuit, overload, Reverse polarity protection
- Channel-related diagnostics
- Two channels per connector
- Fibre-glass reinforced PA6 housing
- Vibration and shock-resistant
- Encapsulated module electronics
- Metal connector
- Degree of protection IP67

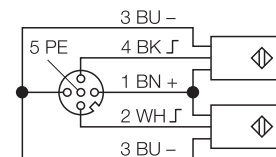
Technical specifications

Supply voltage	
Connection	7/8"; 5-pole; U _B max. 9 A, U _L max. 9 A
Supply voltage	24 V DC (18...30.2 V), acc. to EN61131-2
Operating current	< 150 mA
I/O-ports	
Connection	M12, A-coded
Number of inputs	16(for 3-wire sensors or mech. switches, pnp)
Input voltage	18...30 VDC
Sensor supply	24 V DC (18...30, 2V), <= 150 mA/port
Switching threshold	2 mA/4 mA
Input delay	2.5 ms
Switching frequency	≤ 250 Hz
Max. input current	100 mA
Basic data	
Dimensions (H x W x D)	226x62x24mm
Weight	515g
Housing material	Glass fiber enhanced nylon(PA6)
Installation	2*Ø6.3 mm
Operating temperature	-25...+70 °C
Storage temperature	-30 ~+85 °C
Vibration tested	according to EN 60068-2-6
Shock tested	according to EN 60068-2-27
EMC	according to EN 61000-6-2, 6-4
Degree of protection	IP67
Approvals	CE

Power supply 7/8"



Input M12 x 1



Digital input

Byte	bit0	bit1	bit2	bit3	bit4	bit5	bit6	bit7
0	C1P4	C2P4	C3P4	C4P4	C5P4	C6P4	C7P4	C8P4
1	C1P2	C2P2	C3P2	C4P2	C5P2	C6P2	C7P2	C8P2

"C1P4" represents the 4th pin of the 1st M12 interface in the I/O interface.

Ordering data

PROFI NET	EtherCAT	EtherNet/IP <small>conformance tested</small>	MODBUS TCP/IP
GXPI-DI16	GXEC-DI16	GXEI-DI16	GXEN-DI16
PROFI BUS	DeviceNet		
GXDP-DI16	GXDN-DI16		

* Ethernet communication interface refer to P6 , PROFIBUS-DP/Device Netcommunication interface refer to P8.