



PFB-IOP-4M12-IOP-V2

- For parallel IO devices
- Passive field box for series-wiring
- For devices with M12 Connector, 8-pole
- For up to 4 safety switchgears
- Fuse protected device ports
- Heavy duty version for field installation
- Protection class IP67

Data

General data

Standards	EN IEC 60947-1
Housing material	Thermoplastic, Polyamide PA 6 GF
Material of the marking plate	Plastic, Polyamide PA
Material of viewing window	Polyamide PACM 12
Material of electronic encapsulation	Polyurethane 2K PU
Gross weight	404 g

General data - Features

Integral system diagnostics, status	Yes
Number of LEDs	9

Mechanical data

Mounting	Screws
Type of the fixing screws	2x M6
Tightening torque of the fixing screws, maximum	3 Nm
Type of the fixing screws, viewing window	2x TX10 (Torx)
Tightening torque of the fastening screws for the viewing window, maximum	0.6 Nm

Mechanical data - Connection technique

Termination	M12 Connector socket/connector
Terminal connector, Input/Output	X1 - X4: M12, 8-pole, A-coded
Terminal Connector, Power I/O	M12 POWER, 4-pole, T-coded
Terminal Connector, IO Signal	M12, 8-pole, A-coded
Tightening torque of electrical connection, minimum	0.8 Nm
Tightening torque of electrical connection, maximum	1.5 Nm

Mechanical data - Dimensions

Width	63 mm
Height	156.6 mm
Depth	36.1 mm

Ambient conditions

IP Degree of protection	IP67
Ambient temperature	-20 ... +65 °C
Storage and transport temperature	-40 ... +70 °C
Relative humidity, minimum	10 %
Relative humidity, maximum	95 %
Note (Relative humidity)	non-condensing
Resistance to vibrations	10 ... 150 Hz, amplitude 0.35 mm
Resistance to shock	30 g / 11 ms
Protection class	III
Permissible installation altitude above sea level, maximum	2,000 m

Ambient conditions - Insulation values

Rated insulation voltage U_i	32 VDC
Rated impulse withstand voltage U_{imp}	0.8 kV
Overvoltage category	III
Degree of pollution	3

Electrical data

Operating voltage	24 VDC -15 % / +10 % (stabilised PELV power supply)
Rated operating voltage	24 VDC

Electrical data

Operating current	10,000 mA
Note (Electrical data, Fuse rating)	External fuse protection required $\leq 10A$ slow blow when used to UL 61010.

Electrical data - Power supply external devices

Rated operating voltage	24 VDC
Rated operating current	800 mA
Internal electrical fuse	1.5 A (Integrated automatic resettable fuse)

LED status display - LED 01

LED status	Power LED device port
LED position	P: 1 ... 4
LED colour	Green

LED status display - LED 02

LED status	Input LED device port
LED position	I: 1 ... 4
LED colour	Yellow

LED status display - LED 08

LED status	Power-LED fieldbox
LED position	"Pwr": Module
LED colour	Green

Pictures

Product picture (catalogue individual photo)



ID: kpfbf01
| 2.06 MB | .jpg | 1000 x 2208 Pixel
| 47.34 KB | .jpg | 159 x 350 Pixel
| 127.55 KB | .png | 210 x 463 Pixel