P-Ex 1002MC

![PRIMATION Systemtechnik logo]

Explosion Protection

Device Groups / Application Areas:
Mining M2:
I M2 (M1)   Ex eb qb [op is] I
Gas Zone 1:
II 2(1)G   Ex eb qb [op is] IIC T4
Dust Zone 21:
II 2(1)D   Ex tb [op is] IIIC T135°C IP64

Regulatory Approval:
IBExU 11ATEX1058

Specifications

Base Unit:
N-TRON 1002MC

Network:
Unmanaged Operation
IEEE 802.3, 3u, 3z and 3ab compliant
One 10/100/1000BaseT Port and
One 1000BaseSX Multimode Fiber Port,
ST-Connector
Full/Half Duplex Operation
Up to 2 Gbit/s Throughput
Autosensing
Supports up to 1.024 MAC-Addresses
Store-and-forward Technology
LED Link/Activity Status Indication

Environmental:
-40°C to +80°C
Reliability:
MTBF >2 Million hours
Input Voltages:
DC: 10-30V DC, redundant
AC: 90-253V AC
Connectors:
1 x Gigabit TX
1 x Gigabit Fiber Port, ST Connector
1 x Power
Dimensions: (Height x Width x Depth)
140 mm x 380 mm x 56 mm
Weight:
4,5 kg for Zone 1,21; 7,2 kg for Zone M2
Environment IP Rating (EN60529):
IP 64

Gigabit Ethernet Media Converter

Highlights:

- Direct installation in ATEX Zone 1 or 21, and M2

- No additional ex-proof housing required

- No additional power supply required

- Installation and changes of connections can be done easily

- Fully functionality of the base product

- 5 Port Gigabit Switch and 3 Port TX/FX Switch are also available with identical housing

Order Nr.	Description:	For Use in:
P-Ex 1002MC-DC-A	1 Gigabit Copper Port, 1 Fiber Port (ST) 24V DC	ATEX Zone 1, 21 Aluminium Housing
P-Ex 1002MC-AC-A	1 Gigabit Copper Port, 1 Fiber Port (ST) 230V AC	ATEX Zone 1, 21 Aluminium Housing
P-Ex 1002MC-DC-S	1 Gigabit Copper Port, 1 Fiber Port (ST) 24V DC	Mining M2 Stainless Steel Housing
P-Ex 1002MC-AC-S	1 Gigabit Copper Port, 1 Fiber Port (ST) 230V AC	Mining M2 Stainless Steel Housing