Data interface - PSR-M-GW-ETH-SC

1105106

https://www.phoenixcontact.com/us/products/1105106

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.

Gateway for connecting a PSR-M base module to a higher-level controller, EtherNet/IP™, TBUS interface, plug-in screw terminal block, TBUS connector included

Product Description

The configurable and individually scalable PSRmodular safety system is a flexible safety solution for monitoring your machine or system. PSRmodular gateways connect a PSR-M basic module to a higher-level controller. The gateway is designed for use with EtherNet/IP™.

Your advantages

- Cost-effective safety solution with a high level of adaptability to individual requirements
- Fast startup, thanks to easy hardware and software configuration
- Machine downtimes minimized with comprehensive, easy-to-understand diagnostics
- Narrow housing width of just 22.6 mm

Commercial Data

Item number	1105106
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C18
Product Key	DNA365
GTIN	4055626974835
Weight per Piece (including packing)	170 g
Weight per Piece (excluding packing)	131 g
Customs tariff number	85371098
Country of origin	IT

Data interface - PSR-M-GW-ETH-SC

1105106

https://www.phoenixcontact.com/us/products/1105106

Technical Data

Product properties

Product type	Gateways/Proxies

Insulation characteristics

Protection class	III (EN 50178)
Overvoltage category	II

Electrical properties

Maximum power dissipation for nominal condition	1.92 W
Nominal operating mode	100% operating factor
Interfaces	DIN rail TBUS for connection to the master module, supplied as standard
Rated insulation voltage	250 V AC
Rated surge voltage/insulation	Basic insulation 4 kV
Designation	A1/A2
Rated control circuit supply voltage U_S	19.2 V DC ... 28.8 V DC
Rated control circuit supply voltage U_S	24 V DC -20 % / +20 % (external fuse, typically 4 A)
Rated control supply current I_S	typ. 60 mA (without network connection)
	typ. 70 mA (1 network connection)
Power consumption at U_S	typ. 1.68 W (1 network connection)
	typ. 1.92 W (2 network connections)
Inrush current	< 2.2 A (Δt = 1 ms at U_s)
Filter time	typ. 5 ms (at A1 in the event of voltage dips at U_s)
Protective circuit	Serial protection against polarity reversal
	Suppressor diode

Interfaces

Data: Network interface

Communication protocol	EtherNet/IP™
Connection method	RJ45 jack
Number of connections	2
Transmission speed	100 Mbps

Data: Service interface

Connection method	USB 2.0 Hi-Speed
Number of connections	1

LED signaling

Status display	1 x LED (green), 2 x LED (green, red)
Operating voltage display	1 x green LED
Error indication	2 x LED (red)

Dimensions

Width	22.61 mm
Height	112.58 mm
Depth	113.6 mm

Material specifications

Housing material	Polyamide PA non-reinforced
Housing color	gray

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Min. degree of protection of inst. location	IP54
Ambient temperature (operation)	-10 °C ... 55 °C (observe derating)
Ambient temperature (storage/transport)	-20 °C ... 85 °C
Maximum altitude	≤ 2000 m (Above sea level)
Max. permissible humidity (storage/transport)	95 % (non-condensing)
Max. permissible relative humidity (operation)	95 % (non-condensing)
Shock	10g for Δt = 16 ms (continuous shock, 1000 shocks in each space direction)
Vibration (operation)	10 Hz ... 150 Hz, 2g

Approval data

CE

Certificate	CE-compliant

Standards and regulations

Standards/regulations	EN 50178

Mounting

Mounting type	DIN rail mounting
Mounting position	vertical or horizontal

1105106

https://www.phoenixcontact.com/us/products/1105106

Drawings

Block diagram
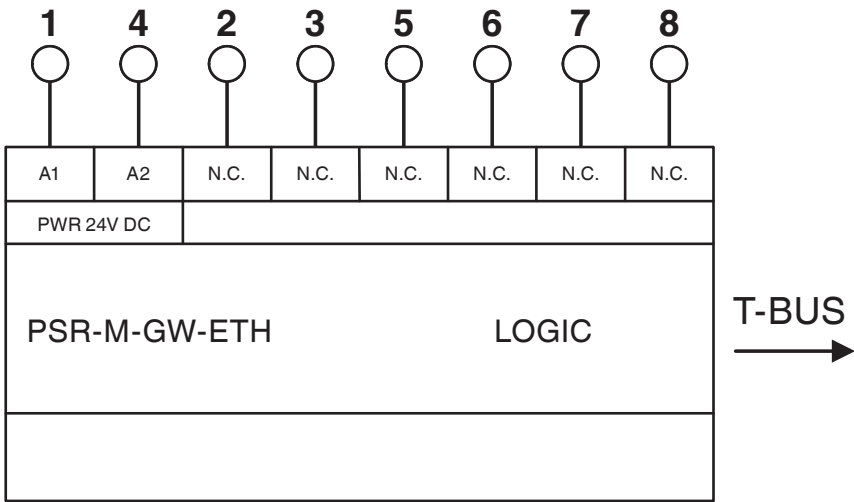
Application drawing
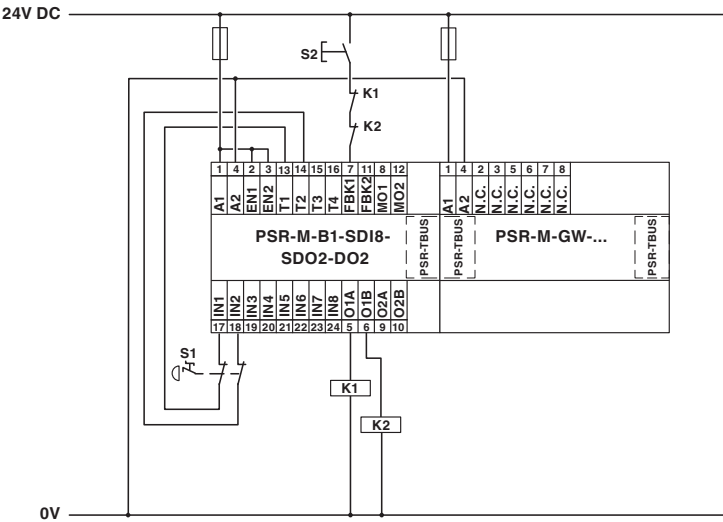
Approvals

UL Listed
Approval ID: FILE E 238705

cUL Listed
Approval ID: FILE E 238705

EAC
Approval ID: RU*-DE*B.00606/20

Functional Safety
Approval ID: Z10 029429 0013

cULus Listed

Data interface - PSR-M-GW-ETH-SC

Classifications

ECLASS

ECLASS-9.0	27242608
ECLASS-10.0.1	27242608
ECLASS-11.0	27242608

ETIM

ETIM 8.0	EC001604

UNSPSC

UNSPSC 21.0	32151600

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

1105106

https://www.phoenixcontact.com/us/products/1105106

Accessories

Safety module

Safety module - PSR-M-B1-SDI8-SDO2-DO2-SC - 1104981

https://www.phoenixcontact.com/us/products/1104981

Configurable safety module (basic module), 8 safe inputs, 2 safe outputs, 2 reset inputs, 2 signal outputs, 4 clock outputs, can be extended via TBUS, up to SIL 3, Cat. 4/PL e, plug-in screw terminal block, TBUS connector not included

Safety module

Safety module - PSR-M-B1-SDI8-SDO2-DO2-PI - 1104972

https://www.phoenixcontact.com/us/products/1104972

Configurable safety module (basic module), 8 safe inputs, 2 safe outputs, 2 reset inputs, 2 signal outputs, 4 clock outputs, can be extended via TBUS, up to SIL 3, Cat. 4/PL e, plug-in Push-in terminal block, TBUS connector not included

Safety module

Safety module - PSR-M-B2-SDI8-SDO4-DO4-SC - 1104974

https://www.phoenixcontact.com/us/products/1104974

Configurable safety module (basic module), 8 safe inputs, 4 safe outputs, 4 reset inputs or 4 signal outputs, 4 clock outputs, can be extended via TBUS, up to SIL 3, Cat. 4/PL e, plug-in screw terminal block, TBUS connector not included

Safety module

Safety module - PSR-M-B2-SDI8-SDO4-DO4-PI - 1104975

https://www.phoenixcontact.com/us/products/1104975

Configurable safety module (basic module), 8 safe inputs, 4 safe outputs, 4 reset inputs or 4 signal outputs, 4 clock outputs, can be extended via TBUS, up to SIL 3, Cat. 4/PL e, plug-in Push-in terminal block, TBUS connector not included

Data interface - PSR-M-GW-ETH-SC

1105106

https://www.phoenixcontact.com/us/products/1105106

USB cable

USB cable - CABLE-USB/MINI-USB-3,0M - 2986135

https://www.phoenixcontact.com/us/products/2986135

USB connecting cable: USB plug type A to USB plug type Mini-B; length: 3 m

Coding profile

Coding profile - CP-MSTB - 1734634

https://www.phoenixcontact.com/us/products/1734634

Coding profile, is inserted into the slot on the plug or inverted header, red insulating material

Data interface - PSR-M-GW-ETH-SC

1105106

https://www.phoenixcontact.com/us/products/1105106

Coding section

Coding section - CR-MSTB - 1734401

https://www.phoenixcontact.com/us/products/1734401

Coding section, inserted into the recess in the header or the inverted plug, red insulating material

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com

单击下面可查看定价，库存，交付和生命周期等信息

>>Phoenix Contact(菲尼克斯)