

PSR-M-GW-PB-PI - Data interface

1105100

<https://www.phoenixcontact.com/us/products/1105100>



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, PROFIBUS DP, TBUS interface, pluggable Push-in 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. This gateway is designed for use with PROFIBUS.

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
- Low housing width of just 22.6 mm
- Tool-free and time-saving installation thanks to Push-in technology

Commercial data

Item number	1105100
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN02
Product key	DNA365
GTIN	4055626974989
Weight per piece (including packing)	165.2 g
Weight per piece (excluding packing)	125 g
Customs tariff number	85371098
Country of origin	IT

PSR-M-GW-PB-PI - Data interface

1105100

<https://www.phoenixcontact.com/us/products/1105100>



Technical data

Notes

Note on application

Note on application

Only for industrial use

Product properties

Product type	Gateways/Proxies
Insulation characteristics	
Protection class	III (EN 50178)
Insulation characteristics	
Overvoltage category	II
Degree of pollution	2

Electrical properties

Maximum power dissipation for nominal condition	1.44 W
Nominal operating mode	100% operating factor
Interfaces	DIN rail TBUS for connection to the master module, supplied as standard
Rated surge voltage/insulation	Basic insulation 4 kV

Supply

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
Power consumption at U_S	typ. 1.44 W
Inrush current	< 2.2 A ($\Delta t = 1$ 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

Connection data

Connection method	Push-in connection
Stripping length	10 mm

Interfaces

Data: Network interface	
Communication protocol	PROFIBUS DP
Communication standard	IEC 61158, RS-485 2-wire
Connection method	D-SUB-9 female connector
Number of connections	1

PSR-M-GW-PB-PI - Data interface

1105100

<https://www.phoenixcontact.com/us/products/1105100>



Transmission speed	12 Mbps
Data: Service interface	
Connection method	USB 2.0 Hi-Speed
Number of connections	1
Maximum cable length	3 m

Signaling

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

Dimensions

Width	22.61 mm
Height	107.74 mm
Depth	114.75 mm

Material specifications

Color (Housing)	gray (RAL 7042)
Housing material	Polyamide PA non-reinforced

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 $\Delta t = 16$ ms (continuous shock, 1000 shocks in each space direction)
Vibration (operation)	10 Hz ... 150 Hz, 2g

Approvals

CE	
Identification	CE-compliant

Mounting

Mounting type	DIN rail mounting
Mounting position	vertical or horizontal

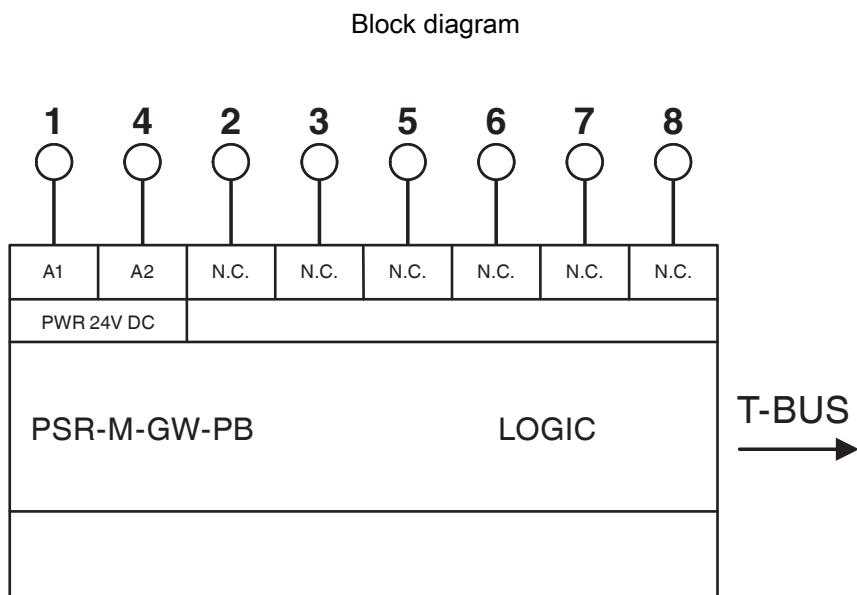
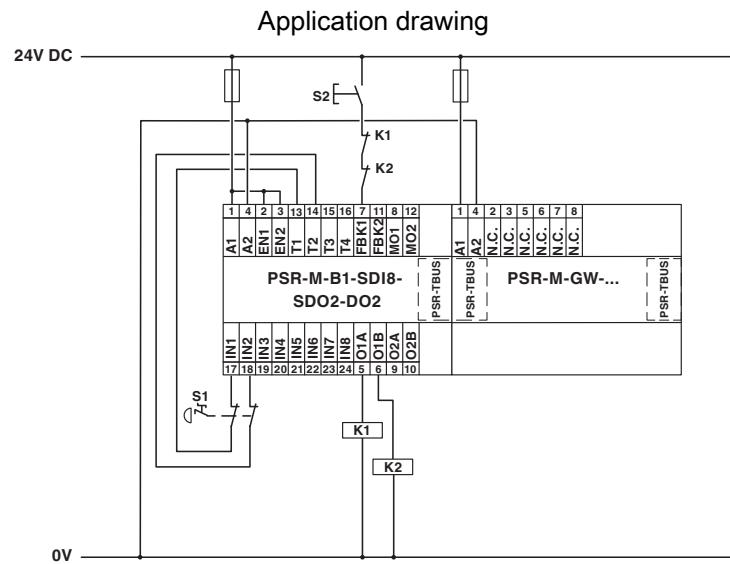
PSR-M-GW-PB-PI - Data interface

1105100

<https://www.phoenixcontact.com/us/products/1105100>



Drawings



PSR-M-GW-PB-PI - Data interface

1105100

<https://www.phoenixcontact.com/us/products/1105100>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1105100>



cULus Listed

Approval ID: E238705



Functional Safety

Approval ID: Z10029429 0013Rev.02

PSR-M-GW-PB-PI - Data interface

1105100

<https://www.phoenixcontact.com/us/products/1105100>



Classifications

ECLASS

ECLASS-13.0	27242608
ECLASS-15.0	27242608

ETIM

ETIM 9.0	EC001604
----------	----------

UNSPSC

UNSPSC 21.0	32151600
-------------	----------

PSR-M-GW-PB-PI - Data interface

1105100

<https://www.phoenixcontact.com/us/products/1105100>



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA

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