

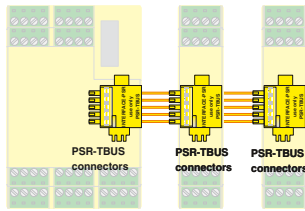


**Automatización Eléctrica**  
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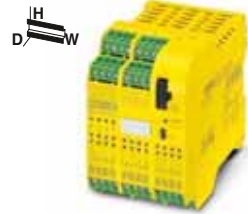
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PSR-TRISAFE modular

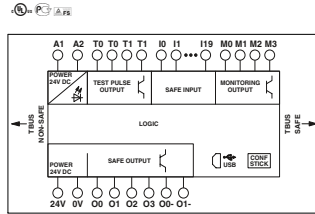
- Freely configurable safety module for monitoring emergency stop, safety doors, light grids, etc.
- Safe and standard extension via INTERFACE DIN rail TBUS
- With 20 safe inputs, 4 safe outputs, 4 alarm outputs, and 2 clock outputs on a design width of just 67.5 mm
- Easily graphically configurable with the SAFECONF software
- Option for connecting fieldbus gateways for diagnostics and signaling functions
- Incl. IFS-CONFSTICK memory stick for easy storage and backup of the configuration
- Incl. PSR-TBUS connector (DIN rail connector) for adapting safe extension modules
- Up to Cat. 4/PL e according to EN ISO 13849-1, SILCL 3 according to IEC 62061, SIL 3 according to IEC 61508



The TBUS connectors carry out the cross-wiring between the modules.



Configurable safety module, can be extended



Technical data

Module data	
Nominal input voltage $U_N$	24 V DC
Permissible range (with reference to $U_N$ )	0.85 ... 1.1
Typ. current consumption (with reference to $U_N$ )	110 mA
Max. response time	< 30 ms
Interfaces	USB
Input data	
Number of safe inputs	20
Nominal voltage	24 V DC
Output data	
Safe semiconductor outputs	4 (Cat.4 /ISO 13849)
Nominal voltage	24 V DC
Limiting continuous current	2 A (see derating curve)
Ground switching outputs	2
Clock outputs	2
Alarm outputs	4
General data	
Ambient temperature range	-20 °C ... 55 °C
Screw connection solid/stranded/AWG	0.2 - 2.5 mm <sup>2</sup> / 0.2 - 2.5 mm <sup>2</sup> / 24 - 12
Spring-cage connection solid/stranded/AWG	0.2 - 1.5 mm <sup>2</sup> / 0.2 - 1.5 mm <sup>2</sup> / 24 - 16
Dimensions	67.5 mm / 99 mm / 114.5 mm
W / H / D	Screw version 67.5 mm / 112 mm / 114.5 mm Spring-cage version

Ordering data

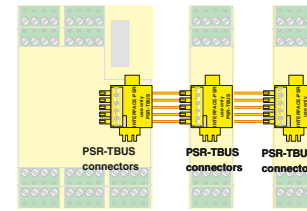
Description	Type	Order No.	Pcs. / Pkt.
<b>Freely configurable master module</b> , for monitoring emergency stops, safety doors, light grids, etc., with 20 safe inputs and 4 safe outputs, 4 alarm outputs and 2 clock outputs, safe and standard extension, including memory stick and PSR-TBUS connector	With screw connection	PSR-SCP- 24DC/TS/M1)	2986012 1
	With spring-cage connection	PSR-SPP- 24DC/TS/M1)	2986025 1

Accessories

<b>Configuration package</b> for the PSR-TRISAFE safety module, consists of SAFECONF software, USB connecting cable, and quick start guide			
German	PSR-SAFECONF-BOX-DE	2986151	1
English	PSR-SAFECONF-BOX-EN	2986164	1
<b>Starter kit</b> for the PSR-TRISAFE safety module, consists of PSR-TRISAFE demo board (with inputs and outputs), SAFECONF software, USB connecting cable (3 m), power supply with international plug adapters, quick start guide	PSR-TRISAFE STARTER KIT	2986300	1
<b>Multi-functional memory block</b> for the INTERFACE system	IFS-CONFSTICK <sup>1)</sup>	2986122	1
<b>PSR-TBUS DIN rail connector</b> , for supplying/controlling/monitoring (depending on the module)	PSR-TBUS	2890425	50

PSR-TRISAFE modular

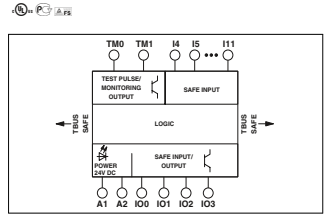
- I/O extension for PSR-TRISAFE-M
- I/O extension for PSR-TRISAFE-M
- 8 safe digital inputs
- 4 safe digital outputs or 4 additional digital inputs (that can be configured using SAFECONF)
- 2 alarm outputs or 2 clock outputs (that can be configured using SAFECONF)
- Narrow 22.5 mm housing
- Including PSR-TBUS connector (DIN rail connector) for adapting to the PSR-TRISAFE-M master module
- Up to Cat. 4/PL e according to EN ISO 13849-1, SILCL 3 according to IEC 62061, SIL 3 according to IEC 61508



The TBUS connectors carry out the cross-wiring between the modules.



Extension module with 8 safe inputs, plus 4 safe inputs or outputs



Technical data

Module data	
Nominal input voltage $U_N$	24 V DC (A1 / A2)
Permissible range (with reference to $U_N$ )	0.85 ... 1.1
Typ. current consumption (with reference to $U_N$ )	100 mA
Max. response time	< 30 ms
Interfaces	TBUS DIN rail for connection to the master module, supplied as standard
Input data	
Number of safe inputs	12 (of which 4 can be configured as input or output)
Nominal voltage	24 V DC
Output data	
Safe semiconductor outputs	4 (if the four parameterizable inputs/outputs are used as outputs)
Nominal voltage	24 V DC
Limiting continuous current	4x 0.5 A (see derating curve)
Cycle/alarm outputs	2
General data	
Ambient temperature range	-20 °C ... 55 °C
Screw connection solid/stranded/AWG	0.2 - 2.5 mm <sup>2</sup> / 0.2 - 2.5 mm <sup>2</sup> / 24 - 12
Spring-cage connection solid/stranded/AWG	0.2 - 1.5 mm <sup>2</sup> / 0.2 - 1.5 mm <sup>2</sup> / 24 - 16
Dimensions	22.5 mm / 99 mm / 114.5 mm
W / H / D	Screw version 22.5 mm / 112 mm / 114.5 mm Spring-cage version

Ordering data

Description	Type	Order No.	Pcs. / Pkt.
<b>Extension module</b> , 8 safe inputs and 4 safe freely parameterizable channels (as safe inputs or outputs), including PSR-TBUS connector	With screw connection	PSR-SCP- 24DC/TS/SDI8/SDIO4 <sup>1)</sup>	2986038 1
	With spring-cage connection	PSR-SPP- 24DC/TS/SDI8/SDIO4 <sup>1)</sup>	2986041 1

Accessories

<b>PSR-TBUS DIN rail connector</b> , for supplying/controlling/monitoring (depending on the module)	PSR-TBUS	2890425	50
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<b>Product</b>	<b>Code</b>	<b>Reference</b>	<b>Product link</b>
Configuration package for the PSR-TRISAFE safety module, consisting of the SAFECONF software, connecting cable and Quick Start Guide.	2986151	PSR-SAFECONF-BOX-DE	<a href="#">Buy on EAN</a>
Configuration package for the PSR-TRISAFE safety module, consisting of the SAFECONF software, connecting cable and Quick Start Guide.	2986164	PSR-SAFECONF-BOX-EN	<a href="#">Buy on EAN</a>