

# Safety module - IB IL 24 PSDOR 4-F-PAC - 2700563

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Safety-related distributed relay output module, IP20 protection, for the PROFIsafe system. The module has 4 safe relay outputs, each with two contacts. The output states are mirrored for diagnostic purposes.

Shows the IB IL PSDOR 4-PAC version

## Product Description


The safety module is an output module from the Inline product range, designed for use in a PROFIsafe system. The safety module can be used as part of an Inline station at any point within a PROFIsafe Inline system. The transmission speed can be set to 500 kbaud or 2 Mbaud on the safety module using a switch. One transmission speed must be used consistently within a station. The module has four safe relay outputs, each with two relay contacts. The output states are mirrored for diagnostic purposes.

## Your advantages

- SIL 3 according to IEC 61508/EN 61508
- SILCL 3 according to EN 62061
- PL e according to EN ISO 13849-1



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 583169
GTIN	4046356583169
Weight per Piece (excluding packing)	462.800 g
Custom tariff number	85371098
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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## Dimensions

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## Technical data

### Dimensions

Width	73.2 mm
Height	119.8 mm
Depth	71.5 mm
Note on dimensions	Housing dimensions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 85 % (Take suitable measures against increased air humidity within the permitted temperature range.)
Permissible humidity (storage/transport)	10 % ... 85 % (Take suitable measures against increased air humidity within the permitted temperature range.)
Air pressure (operation)	80 kPa ... 108 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3500 m above sea level)
Degree of protection	IP20

### General

Mounting type	DIN rail
Color	yellow
Net weight	462.8 g
Note on weight specifications	with connectors

### Interfaces

Designation	Inline local bus
No. of channels	2
Connection method	Inline data jumper
Transmission speed	500 kbps / 2 Mbps (can be switched)

### Power supply for module electronics

Supply voltage	24 V DC (via voltage jumper)
Supply voltage range	19.2 V DC ... 30 V DC

### Inline potentials

Designation	Communications power ( $U_L$ )
Supply voltage	7.5 V DC (see safety data)
Current consumption	max. 360 mA
Designation	Main circuit supply ( $U_M$ )
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including ripple)
Current consumption	typ. 30 mA
Designation	Segment circuit supply ( $U_S$ )
Supply voltage	24 V

### Safety-related characteristic data

Designation	IEC 61508 - High demand
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