PHŒNIX CONTACT

Security gateway - FL PN/PN SDIO-2TX/2TX - 2700651

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Safe PROFINET gateway, IP20 protection, for connecting two PROFINET systems, up to 128 byte standard I/O process data via PROFINET, up to 11 byte safe I/O process data via PROFIsafe

Product description

The function of the safe FL PN/PN SDIO-2TX/2TX PROFINET gateway is to copy safety-related and non-safety-related I/O data from a PROFINET system 1 to a PROFINET system 2, and vice versa.

Product Features

☑ Industrial gateway for connecting two PROFINET/PROFIsafe networks

☑ Supports safety functions up to SIL 3, PL e, Cat. 4

☑ Coupling of safe and standard I/O data

☑ Supports redundant power supply

☑ Control-independent use supported

☑ Can be used specifically for safety functions across all control systems

☑

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	740.0 GRM
Custom tariff number	85176200
Country of origin	Germany

Technical data

Note

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

Dimensions

Security gateway - FL PN/PN SDIO-2TX/2TX - 2700651

Technical data

Dimensions

Width	130 mm
Height	27 mm
Depth	145 mm
Note on dimensions	Housing dimensions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 85 % (non-condensing)
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 mean sea level)
Degree of protection	IP20

Power supply for module electronics

Supply voltage	24 V DC
Supply voltage range	18.5 V DC ... 30 V DC (including ripple)
Ripple	3.6 V_{pp}
Current consumption	max. 250 mA
Type of protection	Polarity protection, surge protection

General

Net weight	727.5 g
Mounting type	DIN rail
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Category according to EN 13849-1	4

Classifications

eCl@ss

eCl@ss 4.0	27250594
eCl@ss 4.1	27240494
eCl@ss 5.0	27242218
eCl@ss 5.1	27250501
eCl@ss 6.0	27250501
eCl@ss 7.0	27250501

ETIM

ETIM 3.0	EC001045

Security gateway - FL PN/PN SDIO-2TX/2TX - 2700651

Classifications

ETIM

ETIM 4.0	EC001604
ETIM 5.0	EC001604

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	43201410

Approvals

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PROFIBUS / PROFIsafe / UL Listed / cUL Listed / PROFIBUS / PROFIsafe / cULus Listed

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Ex Approvals

Approvals submitted

Approval details

PROFIBUS

PROFIsafe

UL Listed

cUL Listed

Security gateway - FL PN/PN SDIO-2TX/2TX - 2700651

Approvals

PROFIBUS

PROFIsafe

cULus Listed