

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.

Your advantages

- ✓ 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
GTIN	 4 046356 621243
GTIN	4046356621243
Weight per Piece (excluding packing)	727.500 g
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
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Dimensions

Width	130 mm
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Security gateway - FL PN/PN SDIO-2TX/2TX - 2700651

Technical data

Dimensions

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 sea level)
Degree of protection	IP20

Interfaces

Designation	PROFINET
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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

Mounting type	DIN rail mounting
Net weight	727.5 g
Mounting type	DIN rail mounting

Inline potentials

Supply voltage	24 V DC
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Standards and Regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 4.0	27250500
eCl@ss 4.1	27250500

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

Classifications

eCl@ss

eCl@ss 5.0	27250500
eCl@ss 5.1	27250500
eCl@ss 6.0	27242600
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608
eCl@ss 9.0	27242608

ETIM

ETIM 3.0	EC001045
ETIM 4.0	EC001604
ETIM 5.0	EC001604
ETIM 6.0	EC001604
ETIM 7.0	EC001604

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201410
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

FILE E 140324

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

Approvals

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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PROFIBUS	Z10443
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PROFIsafe	Z20059
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UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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PROFIsafe	Z20059
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PROFIBUS	Z10443
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Accessories

Accessories

Color-coding

Color-coding - FL PATCH CCODE BU - 2891291



Color marking for patch cable, blue

Color-coding - FL PATCH CCODE RD - 2891893



Color marking for patch cable, red

Safety locking

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

Accessories

Port Guard Security Element - FL PATCH SAFE CLIP - 2891246



Security element for FL patch cable

Port Guard Security Element - FL PATCH GUARD - 2891424



Lockable security element

Key - FL PATCH GUARD KEY - 2891521



Key for lockable security element