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Field multiplexer - IB IL 24 MUX MA-PAC - 2861205

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Inline field multiplexer, complete with accessories (connector and labeling field), transmission of very remote signals without configuration

Product Features

☑ Up to 63 I/O terminals can be connected

☑ Up to 512 digital or 32 analog I/Os (or a mixture) can be connected

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	268.5 GRM
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

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

Dimensions

Width	48.8 mm
Height	135 mm
Depth	71.5 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	75 % ... 85 %
Permissible humidity (storage/transport)	75 % ... 85 %
Air pressure (operation)	80 kPa ... 106 kPa

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Ambient conditions

Air pressure (storage/transport)	80 kPa ... 106 kPa
Degree of protection	IP20

General

Weight	212 g
Mounting type	DIN rail
Test section	RS-485 interface / supply voltage 500 V AC
	RS-485 interface / local bus 500 V AC

Interfaces

Fieldbus system	RS-485
Designation	Remote bus
Connection method	Inline shield connector
Transmission physics	RS-485
Fieldbus system	Lokalbus
Designation	Inline local bus
Connection method	Inline data jumper
Transmission speed	500 kBit/s

System limits of the bus coupler

Number of local bus devices that can be connected	32 (without additional power terminal block, observe allowable total current consumption)
Number of devices with parameter channel	0
Number of branch terminals with remote bus branch	0

Power supply for module electronics

Connection method	8-pos. Inline power connector
Designation	Supply
Supply voltage	24 V
Supply voltage range	19.2 V ... 30 V (including ripple)
Ripple	1.2 V_{PP}
Current consumption	< 60 mA (without connected I/O terminal blocks (24 V DC supply))

Inline potentials

Communications power U_L	7.5 V DC ±5 %
Power supply at U_L	2 A DC (observe derating)
Main circuit supply U_M	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U_M	max. 8 A DC (Sum of U_M + U_S)
Segment supply voltage U_S	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U_S	max. 8 A DC (Sum of U_M + U_S)

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Inline potentials

I/O supply voltage U_{ANA}	24 V DC -15 % / +20 % (acc. to EN 61131-2)
Power supply at U_{ANA}	0.5 A DC (observe derating)

Classifications

eCl@ss

eCl@ss 4.0	27250201
eCl@ss 4.1	27250201
eCl@ss 5.0	27250203
eCl@ss 5.1	27242608
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608
eCl@ss 8.0	27242608

ETIM

ETIM 2.0	EC000768
ETIM 3.0	EC000768
ETIM 4.0	EC000768
ETIM 5.0	EC000768

UNSPSC

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

Approvals

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UL Recognized / cUL Recognized / GOST / UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

UL Listed / cUL Listed / UL Listed / cUL Listed / ATEX / ATEX / cUL Listed / cULus Listed / cULus Listed

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Approvals

Approvals submitted

Approval details

UL Recognized

cUL Recognized

GOST

UL Recognized

cUL Recognized

GOST

cULus Recognized

Accessories

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Adapter cable

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Accessories

Adapter cable - IB IL MUX-CAB PSI - 2878476

Adapter cable for the connection of the field multiplexer to the PSI-MOS interface module

Connector set

Connector set - IB IL MUX-PLSET - 2836036

Plug set, for Inline field multiplexers

Labeling panel

Labeling field - IB IL FIELD 8 - 2727515

Labeling field, width: 48.8 mm

Terminal marking

Insert strip - ESL 62X46 - 0809502

Insert strip, Sheet, white, unlabeled, can be labeled with: Office printing systems, Plotter: Laser printer, Mounting type: Insert, Lettering field: 62 x 46 mm

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Accessories

User manual - IB IL MUX UM - 2718426

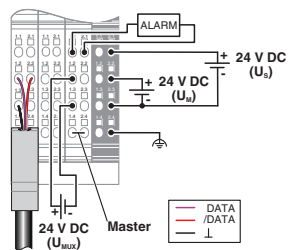User manual, German, for Inline field multiplexer
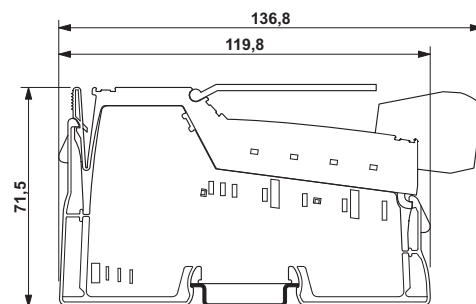
User manual - IB IL MUX UM E - 2718439

User manual, English, for Inline field multiplexer

Drawings

Connection diagram

Dimensioned drawing

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Catalog photo

Figure may contain other products.