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Distributed I/O device - FLM DI 8 M8-2MBD - 2773555

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The space-saving local bus device is particularly suitable for use in close proximity to the process. Functions: 2 Mbaud, 8 digital inputs with 3 ms filter time, channel-specific diagnostics, short-circuit/overload protection, 600 mA nominal current, M8 connection method.

Why buy this product

- Can also be connected to an Inline station
- Optimized for 30 mm mounting profile
- Diagnostic and status indicators
- Short-circuit and overload protection
- Consistent connection via M8 connectors

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 301619

Technical data

Dimensions

Width	29.8 mm
Height	143 mm
Depth	26.5 mm
Note on dimensions	Length details incl. fixing clips
Drill hole spacing	133 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	10 % ... 95 %
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP65/IP67

General

Net weight	137 g
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Technical data

General

Mounting type	Wall mounting
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Interfaces

Designation	Fieldline local bus
Connection method	M8 connector
Designation connection point	Copper cable
Transmission speed	2 MBit/s
Number of positions	4

Power supply for module electronics

Connection method	M8 connector
Designation	U_L
Number of positions	4
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC (including ripple)
Supply current	3 A

Fieldline potentials

Voltage supply U_L	24 V DC
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Digital inputs

Input name	Digital inputs
Connection method	M8 connector
	2, 3-wire
Number of inputs	8
Protective circuit	Protection against polarity reversal
Filter time	3 ms
Input characteristic curve	IEC 61131-2 type 1
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 5 V DC
Input voltage range "1" signal	13 V DC ... 30 V DC

Standards and Regulations

Test section	To I/O 500 V AC
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604

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Classifications

eCl@ss

eCl@ss 6.0	27242604
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604
eCl@ss 9.0	27242604

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

UNSPSC

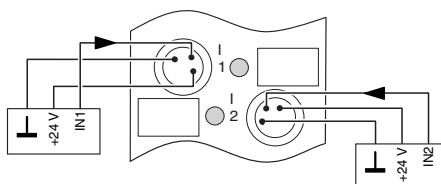
UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Drawings

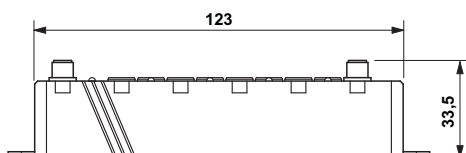
Dimensional drawing

Top view (dimensions in mm)

Connection diagram



Dimensional drawing



Side view (dimensions in mm)

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Product	Code	Reference	Product link
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