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Especialistas en Automatización

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## Distributed I/O device - FLM DI 8 M8 - 2773348

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

### Product Description

The device is designed for use in the Fieldline Modular M8 local bus, which is opened by a Fieldline or Inline bus coupler. It is used to acquire digital signals.

### 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 181693

### 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

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## Technical data

### General

Net weight	137 g
Mounting type	Wall mounting

### Interfaces

Designation	Fieldline local bus
Connection method	M8 connector
Designation connection point	Copper cable
Transmission speed	500 kBit/s
Number of positions	4

### Power supply for module electronics

Connection method	M8 connector
Designation	U <sub>L</sub>
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 <sub>L</sub>	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
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

### Classifications

#### eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302

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### Classifications

#### eCl@ss

eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
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

### Approvals

#### Approvals

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##### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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##### Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

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Approvals submitted

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#### Approval details

UL Recognized
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## Approvals

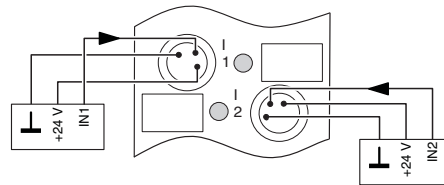


## Drawings

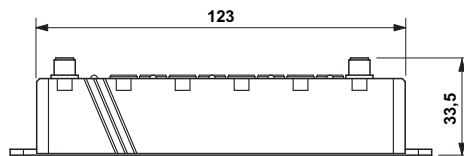
Dimensional drawing

Top view (dimensions in mm)

Connection diagram



Dimensional drawing



Side view (dimensions in mm)

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