

Distributed I/O device - FLM DO 8 M8 - 2736893

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The space-saving local bus device is particularly suitable for use in close proximity to the process. Functions: 8 digital outputs each with a load capacity of 500 mA, channel-specific diagnostics, short-circuit and overload protection, 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 and output digital signals.

Product Features

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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	168.7 g
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
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Dimensions

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

Distributed I/O device - FLM DO 8 M8 - 2736893

Technical data

Dimensions

Drill hole spacing	133 mm
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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

Mounting type	Wall mounting
Net weight	137 g

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 _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 outputs

Output name	Digital outputs
Connection method	M8 connector
	2, 3-wire
Number of outputs	8
Protective circuit	Short-circuit protection
Output voltage	24 V DC
Maximum output current per channel	500 mA

Distributed I/O device - FLM DO 8 M8 - 2736893

Technical data

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
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

Accessories

Accessories

Adapter

Adapter - FLM ADAP M12/M8 - 2736961

Adapter for connecting Fieldline Modular M8 devices to a Fieldline Modular M12 local bus



Distributed I/O device - FLM DO 8 M8 - 2736893

Accessories

Circular connector (cable-side)

Connector - SACC-M 8MS-4CON-M-0,34-SH - 1542897



Connector, 4-position, shielded, Plug straight M8, A-coded, Screw connection, Knurl material: Nickel-plated brass, External cable diameter 3.5 mm ... 5.5 mm

Connector - SACC-M 8FS-4CON-M-0,34-SH - 1542910



Connector, 4-position, shielded, Socket straight M8, A-coded, Screw connection, Knurl material: Nickel-plated brass, External cable diameter 3.5 mm ... 5.5 mm

Connector - SACC-M 8FS-4PCON - 1506781



Sensor/actuator connector, female, straight, 4-pos., M8, Piercecon[®], metal knurl, cable diameter max. 5 mm

Data cable by the meter

Bus system cable - SAC-4P-950/... - 1543401



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, free cable end, on free cable end, Cable length: Free entry (0.5 ... 400.0 m)

Data cable preassembled

Distributed I/O device - FLM DO 8 M8 - 2736893

Accessories

Bus system cable - SAC-4P-M 8MS/ 2,0-950 - 1543249



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on free cable end, Cable length: 2 m

Bus system cable - SAC-4P-M 8MS/ 5,0-950 - 1543252



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on free cable end, Cable length: 5 m

Bus system cable - SAC-4P-M 8MS/10,0-950 - 1543265



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on free cable end, Cable length: 10 m

Bus system cable - SAC-4P-M 8MS/15,0-950 - 1543278



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on free cable end, Cable length: 15 m

Bus system cable - SAC-4P-M 8MS/20,0-950 - 1543281



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on free cable end, Cable length: 20 m

Distributed I/O device - FLM DO 8 M8 - 2736893

Accessories

Bus system cable - SAC-4P- 2,0-950/M 8FS - 1543294



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, free cable end, on Socket straight M8, Cable length: 2 m

Bus system cable - SAC-4P- 5,0-950/M 8FS - 1543304



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, free cable end, on Socket straight M8, Cable length: 5 m

Bus system cable - SAC-4P-10,0-950/M 8FS - 1543317



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, free cable end, on Socket straight M8, Cable length: 10 m

Bus system cable - SAC-4P-15,0-950/M 8FS - 1543320



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, free cable end, on Socket straight M8, Cable length: 15 m

Bus system cable - SAC-4P-20,0-950/M 8FS - 1543333



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, free cable end, on Socket straight M8, Cable length: 20 m

Distributed I/O device - FLM DO 8 M8 - 2736893

Accessories

Bus system cable - SAC-4P-M 8MS/ 0,13-950/M 8FS - 1543346



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 0.13 m

Bus system cable - SAC-4P-M 8MS/ 0,3-950/M 8FS - 1543511



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 0.3 m

Bus system cable - SAC-4P-M 8MS/ 0,5-950/M 8FS - 1543524



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 0.5 m

Bus system cable - SAC-4P-M 8MS/ 1,0-950/M 8FS - 1543537



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 1 m

Bus system cable - SAC-4P-M 8MS/ 2,0-950/M 8FS - 1543359



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 2 m

Distributed I/O device - FLM DO 8 M8 - 2736893

Accessories

Bus system cable - SAC-4P-M 8MS/ 5,0-950/M 8FS - 1543362



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 5 m

Bus system cable - SAC-4P-M 8MS/10,0-950/M 8FS - 1543375



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 10 m

Bus system cable - SAC-4P-M 8MS/15,0-950/M 8FS - 1543388



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 15 m

Bus system cable - SAC-4P-M 8MS/20,0-950/M 8FS - 1543391



Bus system cable, INTERBUS, 4-position, PUR halogen-free, black RAL 9005, shielded, Plug straight M8, on Socket straight M8, Cable length: 20 m

I/O component

Inline function terminal - IB IL 24 FLM-PAC - 2736903



Inline branch terminal for coupling a Fieldline Modular local bus M12 or M8 at the end of an Inline station, conversion of Inline local bus physical structure to the Fieldline local bus physical structure

Distributed I/O device - FLM DO 8 M8 - 2736893

Accessories

Protective cap

Screw plug - PROT-M8 - 1682540



An M8 screw plug for the unoccupied M8 sockets of the sensor/actuator cable, boxes and flush-type connectors

Sensor/actuator cable

Sensor/Actuator cable - SAC-4P- 2,0-PUR/M 8FS 0,34 - 1543582



Sensor/Actuator cable, 4-position, PUR, black RAL 9005, free cable end, on Socket straight M8, Cable length: 2 m

Sensor/Actuator cable - SAC-4P- 5,0-PUR/M 8FS 0,34 - 1534818



Sensor/Actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M8, Cable length: 5 m

Sensor/Actuator cable - SAC-4P-10,0-PUR/M 8FS 0,34 - 1543595



Sensor/Actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M8, Cable length: 10 m

Sensor/Actuator cable - SAC-4P-15,0-PUR/M 8FS 0,34 - 1543605



Sensor/Actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M8, Cable length: 15 m

Distributed I/O device - FLM DO 8 M8 - 2736893

Accessories

Sensor/Actuator cable - SAC-4P-20,0-PUR/M 8FS 0,34 - 1543618



Sensor/Actuator cable, 4-position, PUR, black RAL 9005, free cable end, on Socket straight M8, Cable length: 20 m

Sensor/Actuator cable - SAC-4P-M 8FS/.../... - 1697771



Sensor/Actuator cable, 4-position, Variable cable type, free cable end, on Socket straight M8, Cable length: Free input (0.2 ... 40.0 m)

Terminal marking

Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781

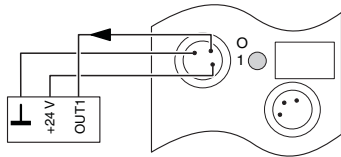


Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

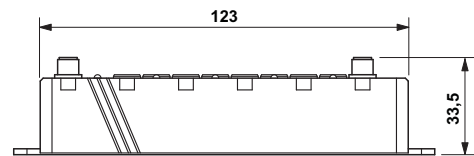
Drawings

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Connection diagram



Dimensional drawing



Side view (dimensions in mm)

Mouser Electronics

Authorized Distributor

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