

## Distributed I/O device - FLM DO 4 M8-2A - 2736932

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The space-saving local bus device is particularly suitable for use in close proximity to the process. Functions: 4 digital outputs each with a load capacity of 2 A, channel-specific diagnostics, short-circuit and overload protection, M8 connection method.

### Product Description

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

### Product Features

- 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 pc
Weight per Piece (excluding packing)	159.0 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	29.8 mm
Height	143 mm
Depth	26.5 mm
Note on dimensions	Length details incl. fixing clips

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### 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 (storage/transport)	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	2 M8 male connector
Designation connection point	Copper cable
Transmission speed	500 kBit/s
Number of positions	5

#### 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 outputs

Output name	Digital outputs
Connection method	M8 connector
	2, 3-wire
Number of outputs	4
Protective circuit	Short-circuit protection
Output voltage	24 V DC
Maximum output current per channel	2 A

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### Technical data

#### Standards and Regulations

Test section	To I/O 500 V AC
Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 Load 30g, half sine wave, positive and negative per direction
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g in each space direction
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
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

## Distributed I/O device - FLM DO 4 M8-2A - 2736932

### Approvals

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Ex Approvals

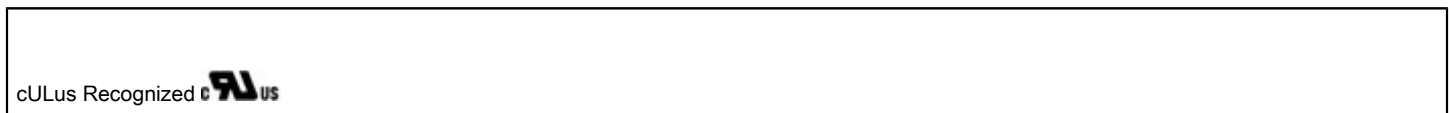
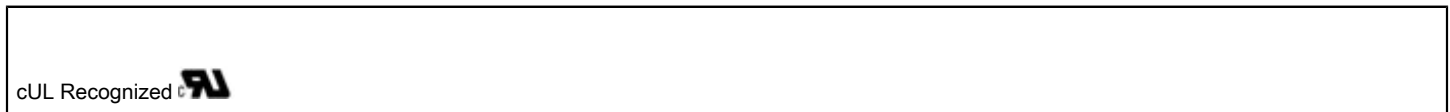
UL Recognized / cUL Recognized / cULus Recognized

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Approvals submitted

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### Approval details



### Accessories

Accessories

Adapter

Adapter - FLM ADAP M12/M8 - 2736961



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

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Circular connector (cable-side)

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### Accessories

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<sup>®</sup>, 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

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

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### Accessories

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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

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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

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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

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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

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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

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### Accessories

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

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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

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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

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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

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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

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## Distributed I/O device - FLM DO 4 M8-2A - 2736932

### Accessories

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

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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

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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

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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

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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

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## Distributed I/O device - FLM DO 4 M8-2A - 2736932

### Accessories

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

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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

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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

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### 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

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### 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

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### Accessories

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#### 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

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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

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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

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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

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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

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### Accessories

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

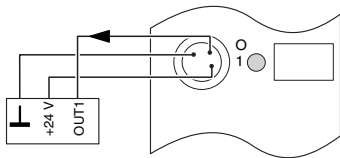
Zack Marker strip, flat - ZBF 8:UNBEDRUCKT - 0808781



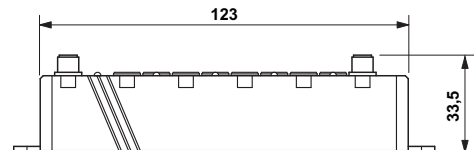
Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 8 mm, Lettering field: 5.15 x 8.15 mm

### Drawings

Connection diagram



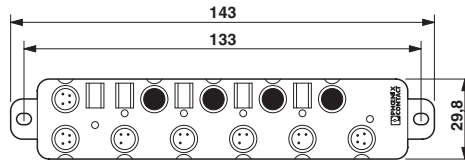
Dimensional drawing



Side view (dimensions in mm)

## Distributed I/O device - FLM DO 4 M8-2A - 2736932

Dimensional drawing



Top view (dimensions in mm)

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