

## 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.

### Your advantages

- 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
GTIN	 4 046356 301619
GTIN	4046356301619

### Technical data

#### Note

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

Caption	Side view (dimensions in mm)
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
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### Technical data

#### Ambient conditions

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
Color	black
Net weight	137 g

#### Interfaces

Designation	Fieldline local bus
Connection method	M8 connector
Designation connection point	Copper cable
Transmission speed	2 Mbps
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
Description of the input	IEC 61131-2 type 1
Connection method	M8 connector
Connection technology	2, 3-wire
Number of inputs	8
Protective circuit	Reverse polarity protection
Nominal input voltage $U_{IN}$	24 V DC
Filter time	3 ms
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

#### Electrical isolation

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

## Technical data

### Electrical isolation

Test section	To I/O 500 V AC
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### Standards and Regulations

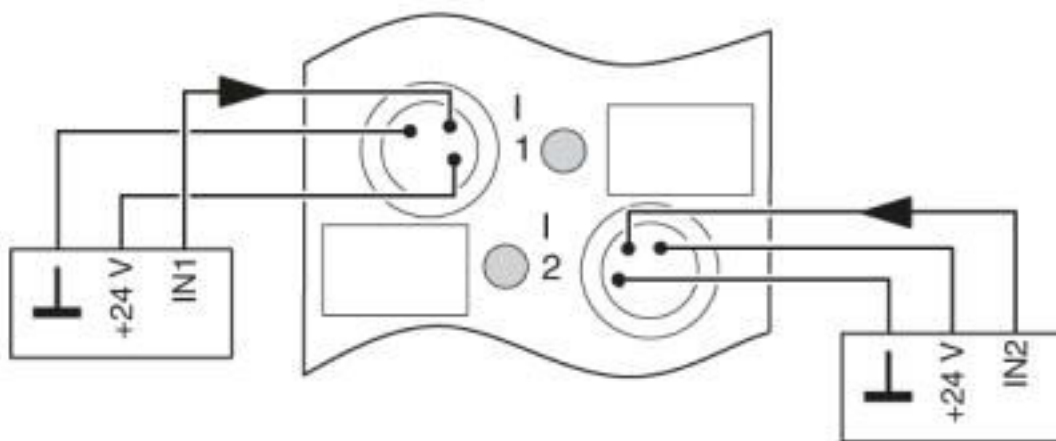
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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### Environmental Product Compliance

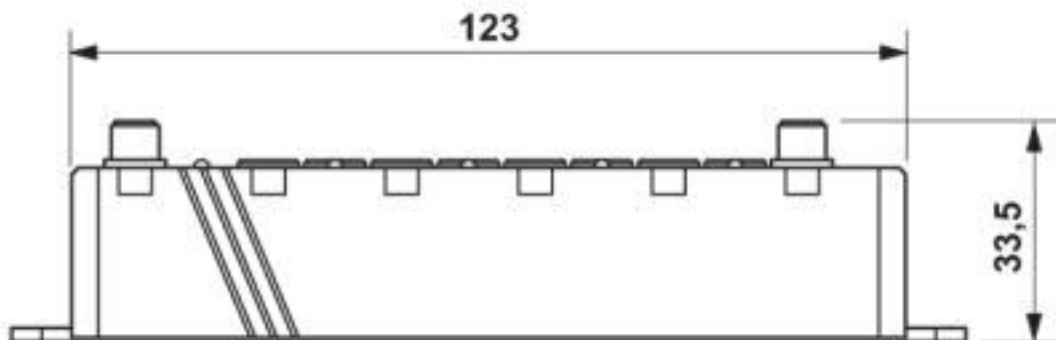
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Connection diagram



Dimensional drawing



Side view (dimensions in mm)

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### Classifications

#### eCl@ss

eCl@ss 10.0.1	27242604
eCl@ss 4.0	27250300
eCl@ss 4.1	27250300
eCl@ss 5.0	27250300
eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
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
ETIM 6.0	EC001599
ETIM 7.0	EC001599

#### UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

### Accessories

#### Accessories

##### Adapter

Adapter - FLM ADAP M12/M8 - 2736961

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



Circular connector (cable-side)

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### Accessories

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



Connector, Universal, 4-position, shielded, Plug straight M8, Coding: A, Screw connection, knurl material: Nickel-plated brass, external cable diameter 3.5 mm ... 5.5 mm

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



Connector, Universal, 4-position, shielded, Socket straight M8, Coding: A, Screw connection, knurl material: Nickel-plated brass, external cable diameter 3.5 mm ... 5.5 mm

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### 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 m)

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

### Accessories

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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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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### Accessories

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

### Accessories

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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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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### Accessories

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 extending the Inline local bus to Inline or Fieldline Modular, transmission speed in the local bus: 500 kbps / 2 Mbps, degree of protection: IP20, including Inline connector and labeling field

### Plug for cable screw gland

Screw plug - PROT-M8 - 1682540



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

### Terminal marking

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



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

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