

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.

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 181693
GTIN	4046356181693

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

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Technical data

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
Color	black
Net weight	137 g

Interfaces

Designation	Fieldline local bus
Connection method	M8 connector
Designation connection point	Copper cable
Transmission speed	500 kbps
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

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Technical data

Electrical isolation

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

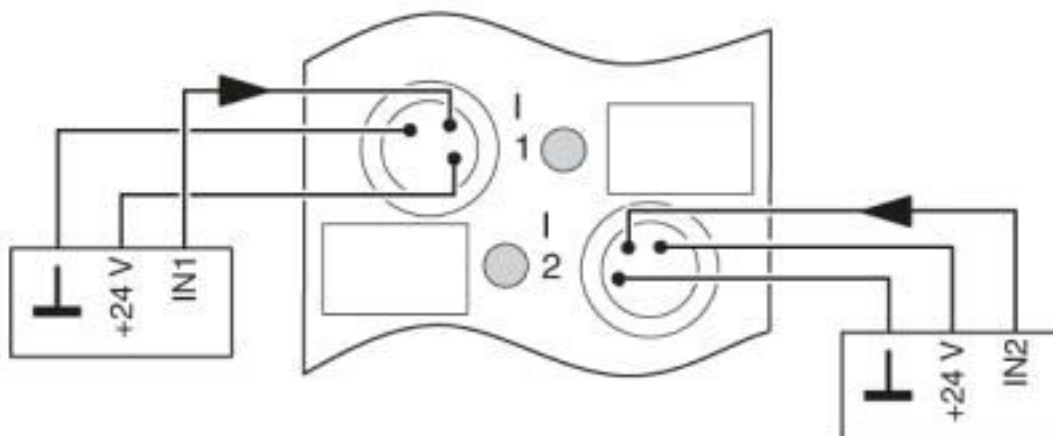
Connection in acc. with standard	CUL
Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

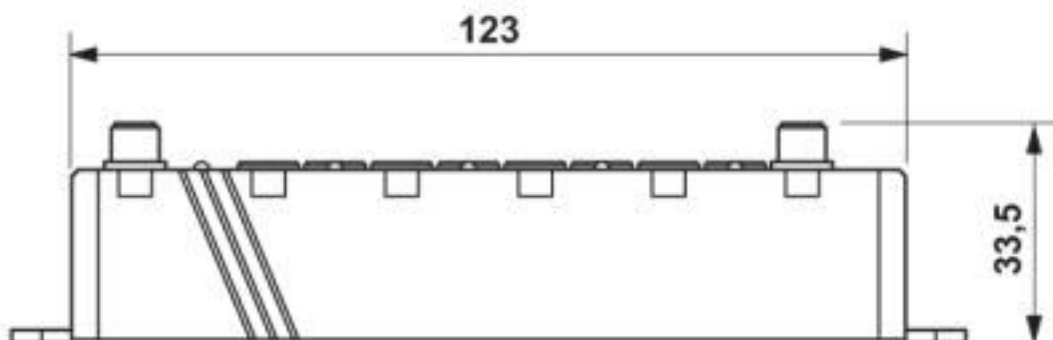
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approval details

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cULus Recognized			
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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)

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

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

Data cable by the meter

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Accessories

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)

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

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

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Accessories

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

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

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Accessories

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

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

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Accessories

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

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

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Accessories

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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