

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



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.

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

Commercial data

Item number	2736932
Packing unit	1 pc
Sales key	DR03
Product key	DRI432
Catalog page	Page 195 (C-6-2019)
GTIN	4046356087193
Weight per piece (including packing)	155.4 g
Weight per piece (excluding packing)	137 g
Customs tariff number	85176200
Country of origin	DE

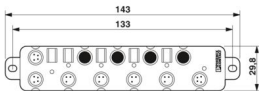
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2736932
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Technical data

Dimensions

Dimensional drawing	
Width	29.8 mm
Height	143 mm
Depth	26.5 mm
Drill hole spacing	133 mm
Note on dimensions	Length details incl. fixing clips

Material specifications

Color	black
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Interfaces

Fieldline local bus	
Connection method	2 M8 male connector
Designation connection point	Copper cable
Number of positions	5
Transmission speed	500 kbps

System properties

Module	
ID code (dec.)	177
ID code (hex)	B1
Length code (hex)	41
Length code (dec)	65
Process data channel	4 bit
Input address area	0 bit
Output address area	4 bit
Register length	4 bit
Required parameter data	3 Byte
Required configuration data	4 Byte

Input data

Digital:	
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

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



2736932

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Output data

Digital:

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

Product properties

Product type	I/O component
Product family	Fieldline
Type	modular
No. of channels	4

Electrical properties

Potentials

Voltage supply U_L	24 V DC
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Supply: 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

Electrical isolation/isolation of the voltage ranges

Test voltage: To I/O	500 V AC
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Connection data

Connection method	M8 connector
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP65/IP67
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)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (storage/transport)	95 %

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



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Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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Mounting

Mounting type	Wall mounting
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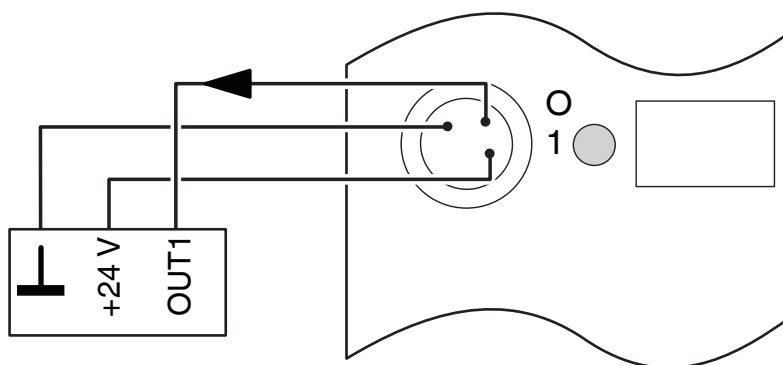
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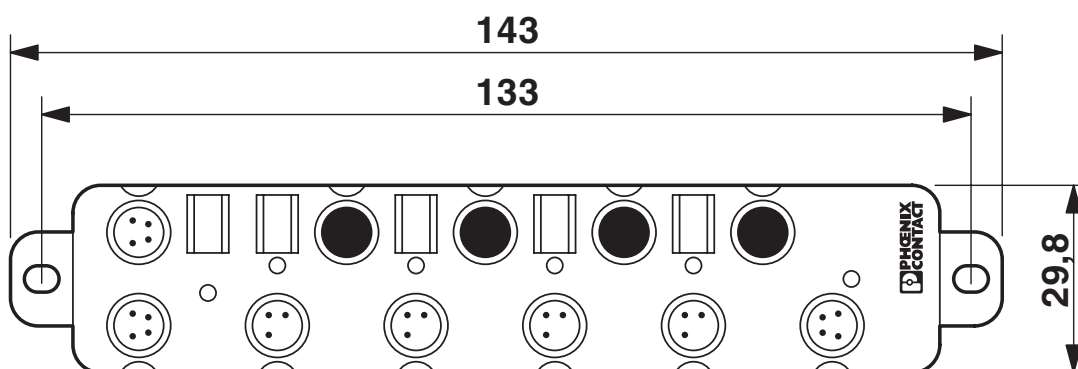


Drawings

Connection diagram



Dimensional drawing



Top view (dimensions in mm)

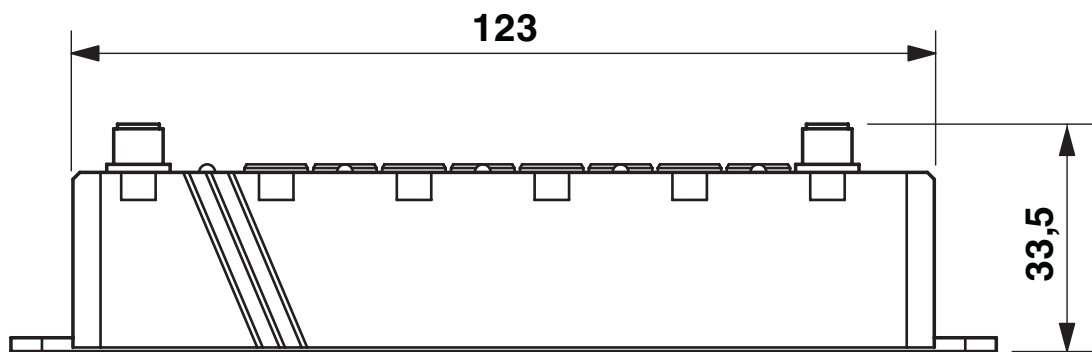
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Dimensional drawing



Side view (dimensions in mm)

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Classifications

ECLASS

ECLASS-11.0	27242604
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ETIM

ETIM 8.0	EC001599
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UNSPSC

UNSPSC 21.0	32151600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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Accessories

PROT-M8 - Screw plug

1682540

<https://www.phoenixcontact.com/us/products/1682540>



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

ZBF 8:UNBEDRUCKT - Zack Marker strip, flat

0808781

<https://www.phoenixcontact.com/us/products/0808781>



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

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

1543249

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

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

1543252

<https://www.phoenixcontact.com/us/products/1543252>



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

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

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

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

1543278

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

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

1543281

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

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

1543294

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

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

1543304

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

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

1543317

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

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

1543320

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

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

1543333

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

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

1543346

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

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

1543511

<https://www.phoenixcontact.com/us/products/1543511>



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

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

1543524

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

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

1543537

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

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

1543359

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

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

1543362

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

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

1543375

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

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

1543388

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

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

1543391

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

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

1543582

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M8, coding: A, cable length: 2 m

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

1534818

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

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

1543595

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

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

1543605

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

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

1543618

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Socket straight M8, coding: A, cable length: 20 m

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SAC-4P-M 8FS/.../... - Sensor/actuator cable

1697771

<https://www.phoenixcontact.com/us/products/1697771>



Sensor/actuator cable, 4-position, free cable end, on Socket straight M8, coding: A, cable length: Free input (0.2 ... 40.0 m)

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

1543401

<https://www.phoenixcontact.com/us/products/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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FLM ADAP M12/M8 - Adapter

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



IB IL 24 FLM-PAC - Communication module

2736903

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Inline, Branch terminal, for extending the Inline local bus, transmission speed in the local bus: 500 kbps / 2 Mbps, degree of protection: IP20, including Inline connector and labeling field



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

1542897

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

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

1542910

<https://www.phoenixcontact.com/us/products/1542910>



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

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SACC-M 8FS-4PCON - Connector

1506781

<https://www.phoenixcontact.com/us/products/1506781>



Connector, Universal, 4-position, Socket straight M8, coding: A, Piercecon® fast connection, knurl material: Brass, nickel-plated, external cable diameter 3 mm ... 5 mm

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