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

2736932

https://www.phoenixcontact.com/us/products/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
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

Technical data

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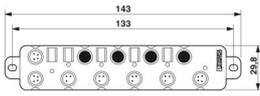
Dimensional drawing	
Width	29.8 mm
Height	143 mm
Depth	26.5 mm
Drill hole spacing	133 mm
Note on dimensions	Length details incl. fixing clips

Material specifications

Color	black

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

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

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

Connection data

Connection method	M8 connector

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 %

Standards and regulations

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

Mounting

Mounting type	Panel mounting

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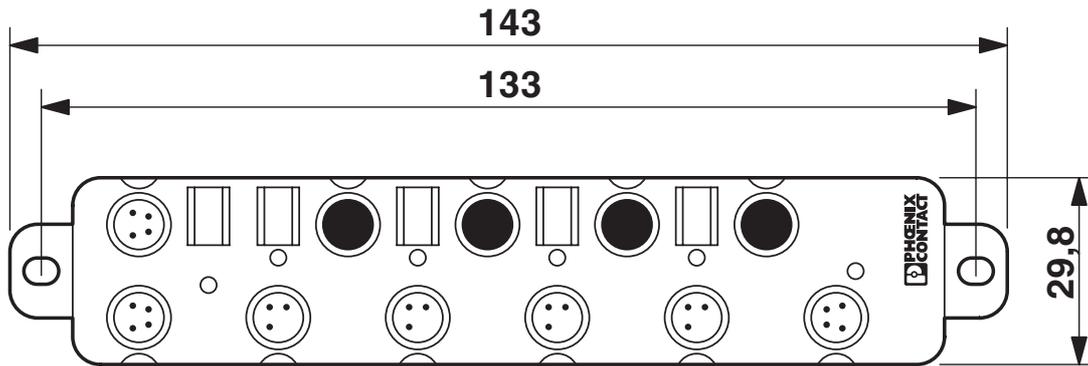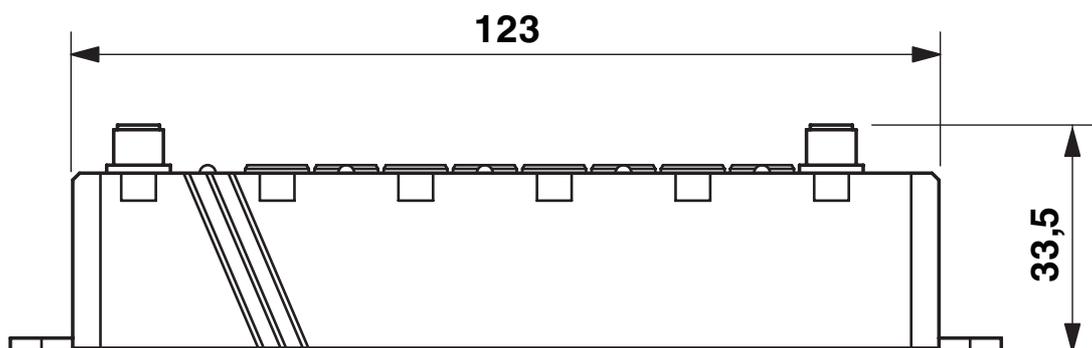https://www.phoenixcontact.com/us/products/2736932

Drawings

Dimensional drawing

Top view (dimensions in mm)

Dimensional drawing

Side view (dimensions in mm)

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Connection diagram
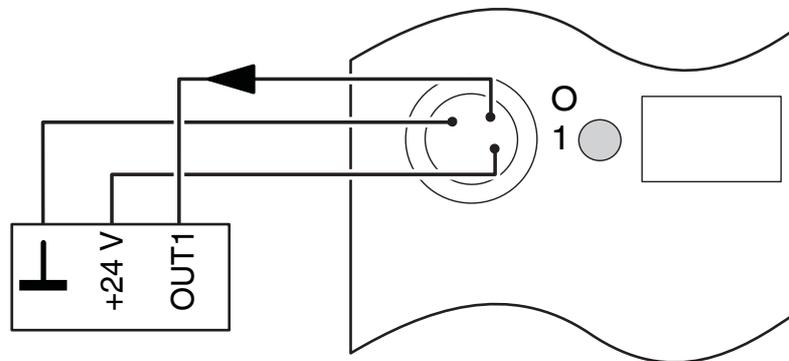
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Classifications

ETIM

ETIM 8.0	EC001599

UNSPSC

UNSPSC 21.0	32151600

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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