

## Distributed I/O device - FLM DIO 8/4 M8 - 2773351

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The space-saving local bus device is particularly suitable for use in close proximity to the process. Functions: 4 digital inputs, 4 digital I/Os of 500 mA, maximum, channel-specific diagnostics, short-circuit/overload protection, 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 and 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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 181686
GTIN	4046356181686
Weight per Piece (excluding packing)	164.300 g
Custom tariff number	85389099
Country of origin	China

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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## Distributed I/O device - FLM DIO 8/4 M8 - 2773351

### Technical data

#### 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
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	144 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 <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 inputs

Input name	Digital inputs
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### Technical data

#### Digital inputs

Description of the input	IEC 61131-2 type 1
Connection method	M8 connector
Connection technology	2-, 3-conductor
Number of inputs	8 (4 fixed, 4 freely selectable)
Protective circuit	Reverse polarity protection
Nominal input voltage U <sub>IN</sub>	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

#### Digital outputs

Output name	Digital outputs
Connection method	M8 connector
Connection technology	2-, 3-conductor
Number of outputs	4 (Can also be used as an input)
Protective circuit	Short-circuit protection
Output voltage	24 V DC

#### 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)

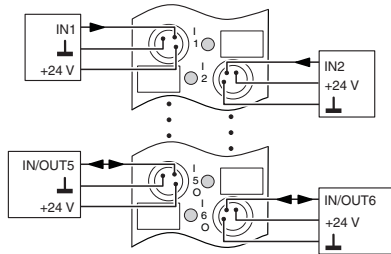
#### Environmental Product Compliance

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"

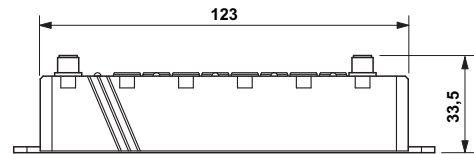
### Drawings

# Distributed I/O device - FLM DIO 8/4 M8 - 2773351

Connection diagram



Dimensional drawing



Side view (dimensions in mm)

## Classifications

### eCl@ss

eCl@ss 10.0.1	27242604
eCl@ss 11.0	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 9.0	27242604

### ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	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

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## Classifications

### UNSPSC

UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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#### Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

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## Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	FILE E 140324
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cULus Recognized			
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