

## 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.

### Product Features

- 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

<b>package_quantity</b>	1
<b>GTIN</b>	4046356301619

### Technical data

#### Dimensions

<b>Width</b>	29.8 mm
<b>Height</b>	143 mm
<b>Depth</b>	26.5 mm
<b>Note on dimensions</b>	Length details incl. fixing clips
<b>Drill hole spacing</b>	133 mm

#### Ambient conditions

<b>Ambient temperature (operation)</b>	-25 °C ... 60 °C
<b>Ambient temperature (storage/transport)</b>	-25 °C ... 85 °C
<b>Permissible humidity (operation)</b>	5 % ... 95 %
<b>Permissible humidity (storage/transport)</b>	10 % ... 95 %
<b>Air pressure (operation)</b>	80 kPa ... 106 kPa (up to 2000 m above sea level)
<b>Air pressure (storage/transport)</b>	70 kPa ... 106 kPa (up to 3000 m above sea level)
<b>Degree of protection</b>	IP65/67

#### General

<b>Weight</b>	137 g
<b>Mounting type</b>	Wall mounting
<b>Protection class</b>	III, IEC 61140, EN 61140, VDE 0140-1
<b>Test section</b>	To I/O 500 V AC

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## Technical data

### Interfaces

<b>Name</b>	Fieldline local bus
<b>Connection method</b>	M8 connector
<b>Designation connection point</b>	Copper cable
<b>Transmission speed</b>	2 MBit/s
<b>Number of positions</b>	4

### Power supply for module electronics

<b>Connection method</b>	M8 connector
<b>Name</b>	U <sub>L</sub>
<b>Number of positions</b>	4
<b>Supply voltage</b>	24 V DC
<b>Supply voltage range</b>	18 V DC ... 30 V DC IEC 61131-2 (including ripple)
<b>Supply current</b>	3 A

### Fieldline potentials

<b>Voltage supply U<sub>L</sub></b>	24 V DC
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### Digital inputs

<b>Input name</b>	Digital inputs
<b>Connection method</b>	M8 connector
<b>Connection method</b>	2, 3-wire
<b>Number of inputs</b>	8
<b>Protective circuit</b>	Protection against polarity reversal
<b>Filter time</b>	3 ms
<b>Input characteristic curve</b>	IEC 61131-2 type 1
<b>Input voltage</b>	24 V DC
<b>Input voltage range "0" signal</b>	-30 V DC ... 5 V DC
<b>Input voltage range "1" signal</b>	13 V DC ... 30 V DC

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27250302
<b>eCl@ss 4.1</b>	27250302
<b>eCl@ss 5.0</b>	27250302
<b>eCl@ss 5.1</b>	27242604
<b>eCl@ss 6.0</b>	27242604
<b>eCl@ss 7.0</b>	27242604
<b>eCl@ss 8.0</b>	27242604

### ETIM

<b>ETIM 2.0</b>	EC001430
<b>ETIM 3.0</b>	EC001599
<b>ETIM 4.0</b>	EC001599

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## classifications

### ETIM

<b>ETIM 5.0</b>	EC001599
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### UNSPSC

<b>UNSPSC 6.01</b>	43172015
<b>UNSPSC 7.0901</b>	43201404
<b>UNSPSC 11</b>	43172015
<b>UNSPSC 12.01</b>	43201404
<b>UNSPSC 13.2</b>	43201404

## accessories

### Protective cap

PROT-M8 - 1682540



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## Terminal marking

ZBF 8:UNBEDRUCKT - 0808781



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## Data cable preassembled

SAC-4P-M 8MS/ 2,0-950 - 1543249



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### accessories

SAC-4P-M 8MS/ 5,0-950 - 1543252



SAC-4P-M 8MS/10,0-950 - 1543265



SAC-4P-M 8MS/15,0-950 - 1543278



SAC-4P-M 8MS/20,0-950 - 1543281



SAC-4P- 2,0-950/M 8FS - 1543294



SAC-4P- 5,0-950/M 8FS - 1543304



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### accessories

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SAC-4P-10,0-950/M 8FS - 1543317



SAC-4P-15,0-950/M 8FS - 1543320



SAC-4P-20,0-950/M 8FS - 1543333



SAC-4P-M 8MS/ 0,13-950/M 8FS - 1543346



SAC-4P-M 8MS/ 0,3-950/M 8FS - 1543511



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### accessories

SAC-4P-M 8MS/ 0,5-950/M 8FS - 1543524



SAC-4P-M 8MS/ 1,0-950/M 8FS - 1543537



SAC-4P-M 8MS/ 2,0-950/M 8FS - 1543359



SAC-4P-M 8MS/ 5,0-950/M 8FS - 1543362



SAC-4P-M 8MS/10,0-950/M 8FS - 1543375



SAC-4P-M 8MS/15,0-950/M 8FS - 1543388



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accessories

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SAC-4P-M 8MS/20,0-950/M 8FS - 1543391



**Data cable by the meter**

SAC-4P-950/... - 1543401



**Adapter**

FLM ADAP M12/M8 - 2736961



**I/O component**

IB IL 24 FLM-PAC - 2736903



**Circular connector (cable-side)**

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

accessories

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

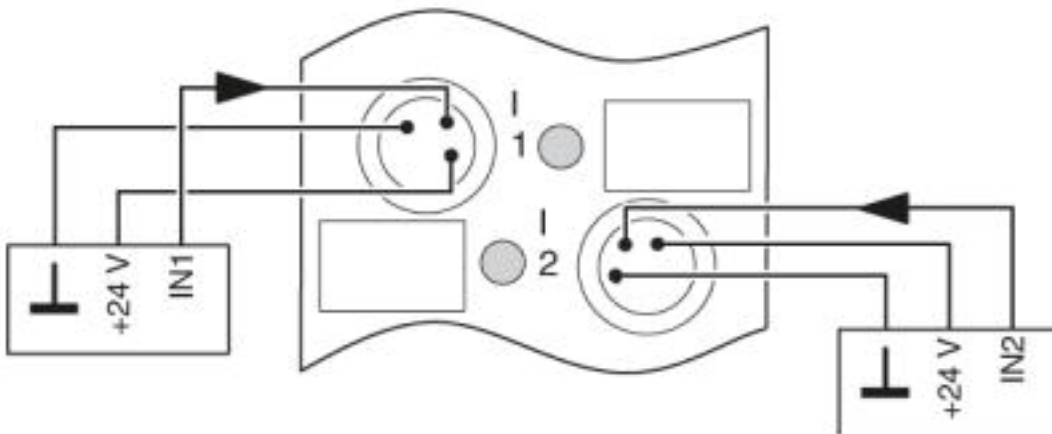


SACC-M 8FS-4CON-M-0,34-SH - 1542910



## Drawings

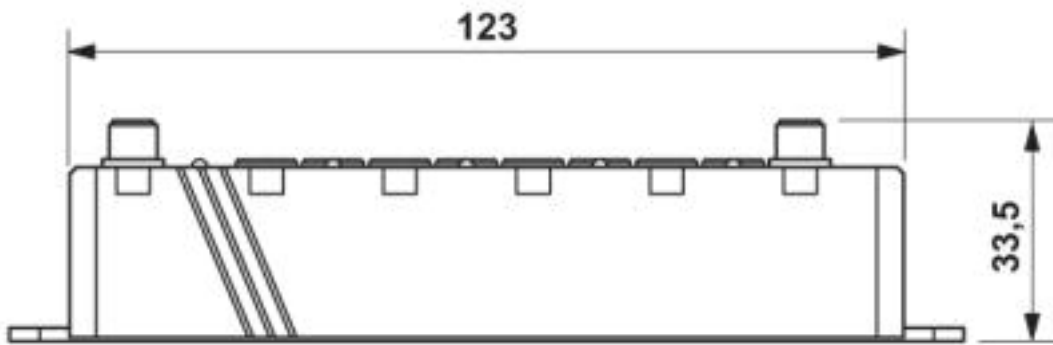
Connection diagram





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

Dimensioned drawing



Side view (dimensions in mm)

Dimensioned drawing

Top view (dimensions in mm)

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