

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.

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

package_quantity	1
GTIN	4046356181693

Technical data

Dimensions

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	IP65/67

General

Weight	137 g
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Technical data

General

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

Interfaces

Name	Fieldline local bus
Connection method	M8 connector
Designation connection point	Copper cable
Transmission speed	500 kBit/s
Number of positions	4

Power supply for module electronics

Connection method	M8 connector
Name	U _L
Number of positions	4
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC IEC 61131-2 (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
Connection method	M8 connector
Connection method	2, 3-wire
Number of inputs	8
Protective circuit	Protection against polarity reversal
Filter time	3 ms
Input characteristic curve	IEC 61131-2 type 1
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

classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604
eCl@ss 8.0	27242604

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classifications

ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

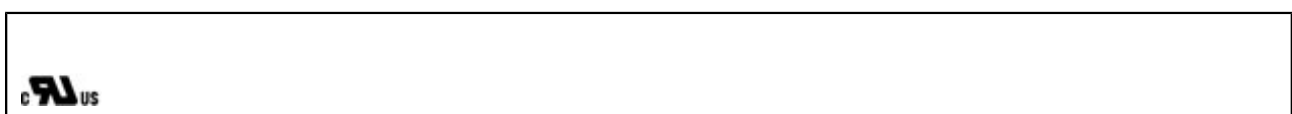
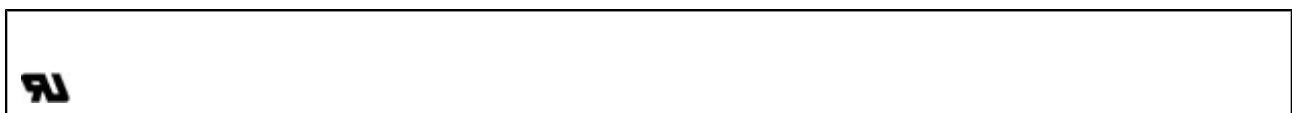
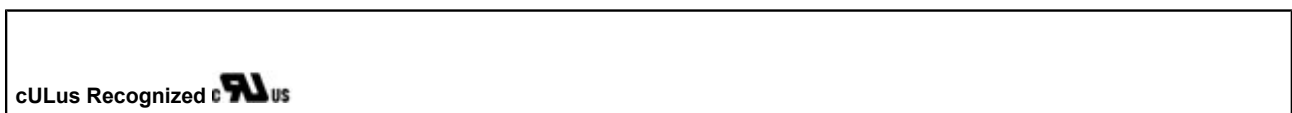
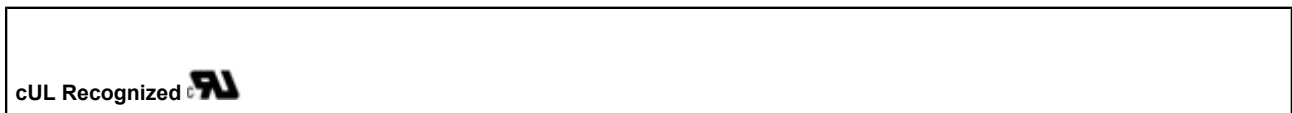
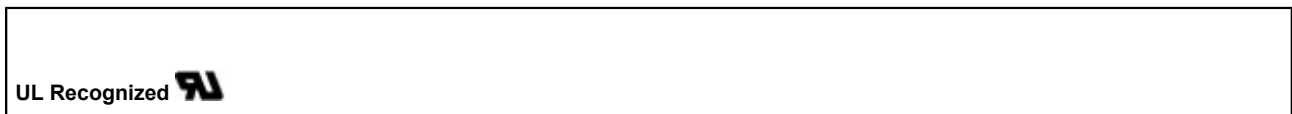
UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

approvals

UL Recognized / cUL Recognized / cULus Recognized / UL Recognized / cUL Recognized / cULus Recognized /

Approval details



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accessories

Protective cap

PROT-M8 - 1682540



Terminal marking

ZBF 8:UNBEDRUCKT - 0808781



Data cable preassembled

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



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



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



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accessories

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



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



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



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accessories

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



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



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



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accessories

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



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



Data cable by the meter

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accessories

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



Adapter

FLM ADAP M12/M8 - 2736961



I/O component

IB IL 24 FLM-PAC - 2736903



Circular connector (cable-side)

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



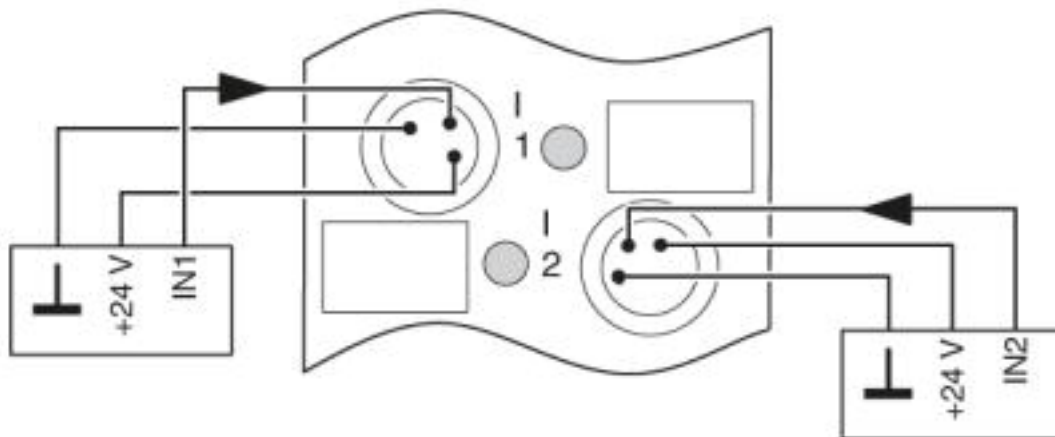
SACC-M 8FS-4CON-M-0,34-SH - 1542910



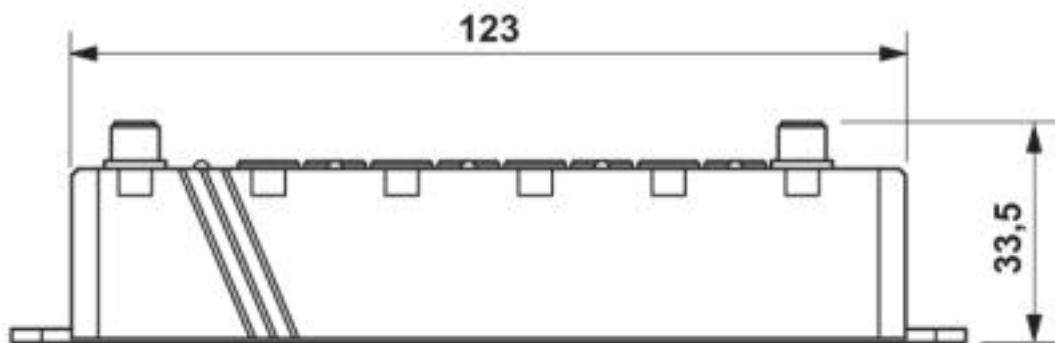
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Drawings

Connection diagram



Dimensioned drawing



Side view (dimensions in mm)

Dimensioned drawing

Top view (dimensions in mm)

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