


FLM DI 8 M8

Order No.: 2773348



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2773348>

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.

Commercial data	
GTIN (EAN)	 4 046356 181693
sales group	L086
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 376 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
12/08/2009



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

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.

Technical data**General data**

Width	29.8 mm
Height	143 mm
Depth	26.5 mm
Note on dimensions	Length details incl. fixing clips
Drill hole spacing	133 mm
Weight	137 g
Mounting type	Wall mounting
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
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	To I/O 500 V AC

Interface

Name	Local bus
Type of connection	M8 male connector
Designation connection point	Copper cable
Transmission speed	500 kBaud
Number of positions	4

Power supply for module electronics

Type of connection	M8 male 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 potential routing

Voltage supply U_L	24 V DC
----------------------	---------

Digital inputs

Input name	Digital inputs
Type of connection	M8 male 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

Certificates / Approvals

Certification	CUL, UL
Certification Ex:	CUL-EX, UL-EX

Accessories

Item	Designation	Description
General		
2736961	FLM ADAP M12/M8	Adapter for connecting Fieldline Modular M8 devices to a Fieldline Modular M12 local bus
2736903	IB IL 24 FLM-PAC	Inline branch terminal for coupling a Fieldline Modular local bus M12 or M8 at the end of an Inline station, conversion of Inline local bus physical structure to the Fieldline local bus physical structure
1543294	SAC-4P- 2,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Free conductor end, on Socket, straight M8, Cable length: 2 m
1543304	SAC-4P- 5,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Free conductor end, on Socket, straight M8, Cable length: 5 m
1543317	SAC-4P-10,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Free conductor end, on Socket, straight M8, Cable length: 10 m

1543320	SAC-4P-15,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Free conductor end, on Socket, straight M8, Cable length: 15 m
1543333	SAC-4P-20,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Free conductor end, on Socket, straight M8, Cable length: 20 m
1543401	SAC-4P-950/...	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Free conductor end, on Free conductor end, Cable length: Free input (0.2 ... 40.0 m)
1543346	SAC-4P-M 8MS/ 0,13-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 0.13 m
1543511	SAC-4P-M 8MS/ 0,3-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 0.3 m
1543524	SAC-4P-M 8MS/ 0,5-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 0.5 m
1543537	SAC-4P-M 8MS/ 1,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 1 m
1543249	SAC-4P-M 8MS/ 2,0-950	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Free conductor end, Cable length: 2 m
1543359	SAC-4P-M 8MS/ 2,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 2 m
1543252	SAC-4P-M 8MS/ 5,0-950	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Free conductor end, Cable length: 5 m
1543362	SAC-4P-M 8MS/ 5,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 5 m
1543265	SAC-4P-M 8MS/10,0-950	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Free conductor end, Cable length: 10 m
1543375	SAC-4P-M 8MS/10,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 10 m
1543278	SAC-4P-M 8MS/15,0-950	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Free conductor end, Cable length: 15 m
1543388	SAC-4P-M 8MS/15,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 15 m
1543281	SAC-4P-M 8MS/20,0-950	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Free conductor end, Cable length: 20 m

1543391	SAC-4P-M 8MS/20,0-950/M 8FS	Bus system cable, INTERBUS, 4-position, PUR, halogen-free, Black RAL 9005, shielded, Plug, straight M8, on Socket, straight M8, Cable length: 20 m
1542910	SACC-M 8FS-4CON-M-0,34-SH	Sensor/actuator connector, female, straight, 4-pos., M8, shielded, screw connection, metal knurl, cable diameter max. 5.2 mm
1542897	SACC-M 8MS-4CON-M-0,34-SH	Sensor/actuator connector, male, straight, 4-pos., M8, shielded, screw connection, metal knurl, cable diameter max. 5.2 mm

Marking

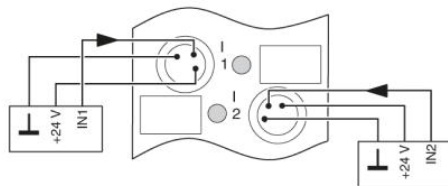
0808781	ZBF 8:UNBEDRUCKT	Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white
---------	------------------	--

Protection and sealing elements

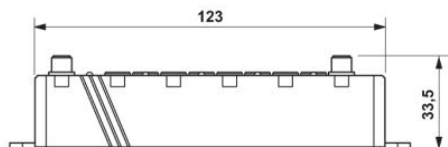
1682540	PROT-M8	An M8 screw plug for the unoccupied M8 sockets of the sensor/ actuator cable, boxes and flush-type connectors
---------	---------	---

Diagrams/Drawings

Connection diagram



Dimensioned drawing



Side view (dimensions in mm)

Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact
Technical modifications reserved;