

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Phoenix Contact](#)
[2736068](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



Extract from the online
catalog

FLS DN M12 DI 8 M12

Order No.: 2736068



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2736068>

The stand-alone device for DeviceNet™ has 8 digital inputs. The M12 connection is established using fast connection technology. The 24 V DC supply is protected against short circuit and overload. The nominal current of the device is 600 mA.



Commercial data

GTIN (EAN)	4 017918 899622
sales group	L021
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 354 (AX-2009)

Product notes

WEEE/RoHS-compliant since:
06/15/2009



<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.

Technical data

General data

Width	60 mm
Height	161 mm
Depth	44.5 mm

FLS DN M12 DI 8 M12 Order No.: 2736068

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2736068>

Drill hole spacing	151 mm
Weight	310 g
Mounting type	Wall mounting
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (storage/transport)	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	24 V supply (bus logics) / FE
	24 V supply (bus logics) / Digital inputs (sensor supply) 500 V AC 50 Hz 1 min
	FE / Digital inputs (sensor supply) 500 V AC 50 Hz 1 min
Mechanical tests	Shock test in acc. with IEC 60068-2-27 Load 30 g, half sine wave, positive and negative per direction

Interface

Fieldbus system	DeviceNet™
Name	DeviceNet™
Type of connection	2 M12 plug connectors, A-coded
Transmission speed	125 kBaud, 250 kBaud, 500 kBaud automatic detection
	125 kBit/s, 250 kBit/s, 500 kBit/s (Automatic baud rate detection)
Transmission physics	Copper cable in acc. with DeviceNet™ specification
Address area assignment	0 ... 63, can be set
Number of positions	5

Power supply for module electronics

Type of connection	M12 plug connectors, (A-coded)
Name	U _L
Supply voltage	24 V DC
Supply voltage range	11 V DC ... 30 V DC IEC 61131-2 (including ripple)

Fieldline potential routing

Voltage supply U _L	24 V DC
Power supply at U _L	max. 4 A

FLS DN M12 DI 8 M12 Order No.: 2736068

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2736068>

Current consumption from U_L	Typ. 65 mA
	max. 100 mA
Voltage supply U_s	24 V DC
Power supply at U_s	max. 4 A
Current consumption from U_s	Typ. 5 mA (plus sensor current)
	max. 700 mA

Digital inputs

Input name	Digital inputs
Type of connection	M12 male connector
Connection method	2, 3, 4-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, GOST, UL

Certification Ex: CUL-EX, UL-EX

Accessories

Item	Designation	Description
Cable/conductor		
1509487	SAC-4P- 2,0-186/M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Free conductor end, on Socket, straight M12, A-coded, Cable length: 2 m

FLS DN M12 DI 8 M12 Order No.: 2736068

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2736068>

1509490	SAC-4P- 5,0-186/M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Free conductor end, on Socket, straight M12, A-coded, Cable length: 5 m
1509500	SAC-4P-10,0-186/M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Free conductor end, on Socket, straight M12, A-coded, Cable length: 10 m
1509513	SAC-4P-15,0-186/M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Free conductor end, on Socket, straight M12, A-coded, Cable length: 15 m
1509526	SAC-4P-M12MS/ 0,3-186/ M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 0.3 m
1509539	SAC-4P-M12MS/ 0,5-186/ M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 0.5 m
1509542	SAC-4P-M12MS/ 1,0-186/ M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 1 m
1509445	SAC-4P-M12MS/ 2,0-186	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Free conductor end, Cable length: 2 m
1509555	SAC-4P-M12MS/ 2,0-186/ M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 2 m
1509458	SAC-4P-M12MS/ 5,0-186	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Free conductor end, Cable length: 5 m
1509568	SAC-4P-M12MS/ 5,0-186/ M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 5 m
1509461	SAC-4P-M12MS/10,0-186	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Free conductor end, Cable length: 10 m
1509571	SAC-4P-M12MS/10,0-186/ M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 10 m
1509474	SAC-4P-M12MS/15,0-186	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Free conductor end, Cable length: 15 m
1509584	SAC-4P-M12MS/15,0-186/ M12FS	Sensor/Actuator cable, 4-position, PUR, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 15 m
1507476	SAC-5P- 2,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Free conductor end, on Socket, straight M12, A-coded, Cable length: 2 m
1507489	SAC-5P- 5,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Free conductor end, on Socket, straight M12, A-coded, Cable length: 5 m

FLS DN M12 DI 8 M12 Order No.: 2736068

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2736068>

1507492	SAC-5P-10,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Free conductor end, on Socket, straight M12, A-coded, Cable length: 10 m
1507502	SAC-5P-15,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Free conductor end, on Socket, straight M12, A-coded, Cable length: 15 m
1507528	SAC-5P-M12MS/ 0,3-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 0.3 m
1507531	SAC-5P-M12MS/ 0,5-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 0.5 m
1507544	SAC-5P-M12MS/ 1,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 1 m
1507421	SAC-5P-M12MS/ 2,0-920	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Free conductor end, Cable length: 2 m
1507557	SAC-5P-M12MS/ 2,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 2 m
1507434	SAC-5P-M12MS/ 5,0-920	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Free conductor end, Cable length: 5 m
1507560	SAC-5P-M12MS/ 5,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 5 m
1507447	SAC-5P-M12MS/10,0-920	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Free conductor end, Cable length: 10 m
1507573	SAC-5P-M12MS/10,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 10 m
1507450	SAC-5P-M12MS/15,0-920	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Free conductor end, Cable length: 15 m
1507586	SAC-5P-M12MS/15,0-920/M12FS	Bus system cable, 5-position, PUR, halogen-free, Violet, RAL 4001, shielded, Plug, straight M12, A-coded, on Socket, straight M12, A-coded, Cable length: 15 m

Marking

0809735	ZBF 12:UNBEDRUCKT	Zack strip, flat, unprinted, 5-section, divisible, for labeling by the customer
---------	-------------------	---

FLS DN M12 DI 8 M12 Order No.: 2736068

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2736068>

Plug/Adapter

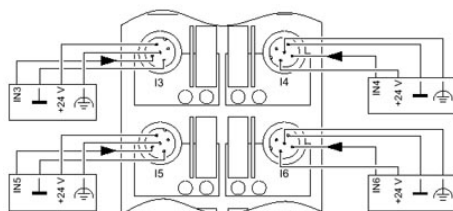
1510722	SAC-4P-M12Y/2X0,3-PUR/ M12FS VP	Sensor/Actuator cable, 4-position, PUR, halogen-free, Black-gray RAL 7021, Plug, straight M12, A-coded, on Socket, straight M12, A-coded and Socket, straight M12, A-coded, Cable length: 0.3 m
1507816	SAC-5P-M12MS CAN TR	Terminating resistor CANopen/DeviceNet™ M12
1507793	SAC-M12T/2XM12 CAN	Bus system T-connector, 5-pos., DeviceNet™/CANopen, M12 socket to M12 socket and M12 plug
1508365	SACC-M12FS-5CON-PG 9 SH AU	Bus system plug connector, female straight, 5-pos., M12, shielded, gold-plated contacts, A-coded, screw connection, metal knurl, cable screw connection Pg9
1508352	SACC-M12MS-5CON-PG 9 SH AU	Bus system plug connector, male, straight, 5-pos., M12, shielded, gold-plated contacts, A-coded, screw connection, metal knurl, cable screw connection Pg9

Protection and sealing elements

1680539	PROT-M12	An M12 screw plug for the unoccupied M12 sockets of the sensor/ actuator cable, boxes and flush-type connectors
---------	----------	---

Diagrams/Drawings

Connection diagram



FLS DN M12 DI 8 M12 Order No.: 2736068

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2736068>

Address

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



© 2011 Phoenix Contact
Technical modifications reserved;