

FLS DN M12 DI 16 M12 - Distributed I/O device



2736327

<https://www.phoenixcontact.com/us/products/2736327>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



The stand-alone device for DeviceNet™ has 16 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 1.2 A.

Your advantages

- Directly accessible address encoding switch
- Consistent connection via M12 connectors
- SPEEDCON fast locking system
- Diagnostic and status indicators
- Short-circuit and overload protection
- Flexible power supply concept

Commercial data

Item number	2736327
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR03
Product key	DRI4A4
GTIN	4017918960087
Weight per piece (including packing)	342.6 g
Weight per piece (excluding packing)	310 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Dimensions

Width	60 mm
Height	161 mm
Depth	44.5 mm
Drill hole spacing	151 mm

Interfaces

DeviceNet™

Connection method	2 M12 connectors, A-coded
Number of positions	5
Transmission speed	125 kbps, 250 kbps, 500 kbps (Automatic baud rate detection)
Transmission physics	Copper cable in acc. with DeviceNet™ specification
Address area assignment	0 ... 63, can be set

System properties

System limits

Number of local bus devices that can be connected	0
Number of devices with parameter channel	0

Programming data

Input address area	16 bit
Output address area	0 bit
Register length (bus)	16 bit

Input data

Digital:

Input name	Digital inputs
Description of the input	IEC 61131-2 type 1
Number of inputs	16
Connection method	M12 connector double occupancy
Connection technology	2-, 3-, 4-conductor
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
Nominal input voltage U_{IN}	24 V DC
Total sensor current	max. 1200 mA
Filter time	1 ms
Protective circuit	Reverse polarity protection

Product properties

Product type	I/O component
--------------	---------------

2736327

<https://www.phoenixcontact.com/us/products/2736327>

Product family	Fieldline
Type	Block design
No. of channels	16

Electrical properties

Potentials

Voltage supply U_L	24 V DC
Power supply at U_L	max. 4 A
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. 8 mA (plus sensor current)
	max. 1.2 A

Supply: Module electronics

Connection method	M12 connector, A-coded
Designation	U_L
Supply voltage	24 V DC
Supply voltage range	12 V DC ... 30 V DC (including ripple)

Electrical isolation/isolation of the voltage ranges

Test voltage: To I/O	500 V AC, 50 Hz, 1 min
----------------------	------------------------

Connection data

Connection method	M12 connector
-------------------	---------------

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Degree of protection	IP65/IP67
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)
Ambient temperature (storage/transport)	-25 °C ... 85 °C
Permissible humidity (storage/transport)	95 %

Mechanical test

Shock in accordance with EN 60068-2-27/IEC 60068-2-27	Load 30g, half sine wave, positive and negative per direction
-------------------------------------------------------	---------------------------------------------------------------

Standards and regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
------------------	---------------------------------------

Mounting

Mounting type	Panel mounting
---------------	----------------

FLS DN M12 DI 16 M12 - Distributed I/O device

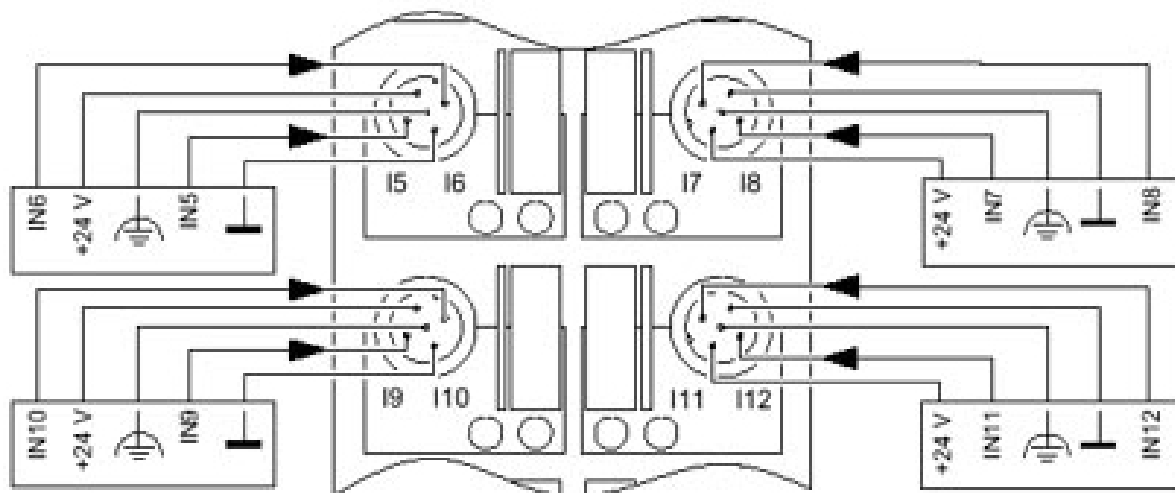


2736327

<https://www.phoenixcontact.com/us/products/2736327>

Drawings

Connection diagram

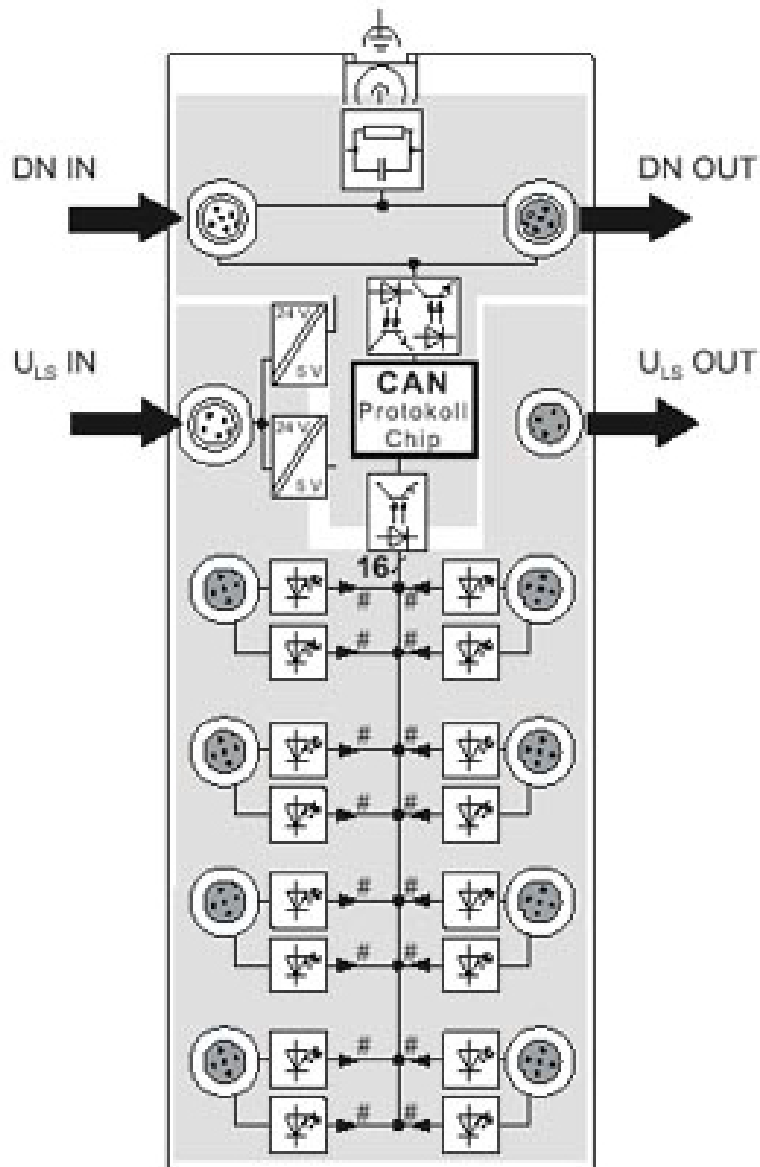


FLS DN M12 DI 16 M12 - Distributed I/O device

2736327

<https://www.phoenixcontact.com/us/products/2736327>

Block diagram



FLS DN M12 DI 16 M12 - Distributed I/O device



2736327

<https://www.phoenixcontact.com/us/products/2736327>

Classifications

UNSPSC

UNSPSC 21.0	32151602
-------------	----------

FLS DN M12 DI 16 M12 - Distributed I/O device



2736327

<https://www.phoenixcontact.com/us/products/2736327>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com