

FLM DI 8 M8 - Distributed I/O device



2773348

<https://www.phoenixcontact.com/sg/products/2773348>

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 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.

Your advantages

- 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

Commercial data

Item number	2773348
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	1208*
Product key	DRI431
Catalog page	Page 194 (C-6-2019)
GTIN	4046356181693
Weight per piece (including packing)	159.7 g
Weight per piece (excluding packing)	137 g
Customs tariff number	85389099
Country of origin	DE

FLM DI 8 M8 - Distributed I/O device

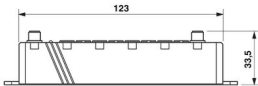


2773348

<https://www.phoenixcontact.com/sg/products/2773348>

Technical data

Dimensions

Dimensional drawing	
Width	29.8 mm
Height	143 mm
Depth	26.5 mm
Drill hole spacing	133 mm
Note on dimensions	Length details incl. fixing clips

Material specifications

Color	black
-------	-------

Interfaces

Fieldline local bus	
Connection method	M8 connector
Designation connection point	Copper cable
Number of positions	4
Transmission speed	500 kbps

System properties

Module	
ID code (dec.)	178
ID code (hex)	B2
Length code (hex)	81
Length code (dec)	129
Process data channel	8 bit
Input address area	8 bit
Output address area	0 bit
Register length	8 bit
Required parameter data	1 Byte
Required configuration data	4 Byte

Input data

Digital	
Input name	Digital inputs

FLM DI 8 M8 - Distributed I/O device



2773348

<https://www.phoenixcontact.com/sg/products/2773348>

Description of the input	IEC 61131-2 type 1
Number of inputs	8
Connection method	M8 connector
Connection technology	2-, 3-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. 600 A
Filter time	3 ms
Protective circuit	Reverse polarity protection

Product properties

Type	modular
Product type	I/O component
Product family	Fieldline
No. of channels	8

Electrical properties

No. of channels	8
-----------------	---

Potentials

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

Supply: Module electronics

Connection method	M8 connector
Designation	U_L
Number of positions	4
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC (including ripple)
Supply current	3 A

Electrical isolation/isolation of the voltage ranges

Test voltage: To I/O	500 V AC
----------------------	----------

Connection data

Connection method	M8 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

FLM DI 8 M8 - Distributed I/O device



2773348

<https://www.phoenixcontact.com/sg/products/2773348>

Permissible humidity (operation)	5 % ... 95 %
Permissible humidity (storage/transport)	10 % ... 95 %

Standards and regulations

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

Mounting

Mounting type	Wall mounting
---------------	---------------

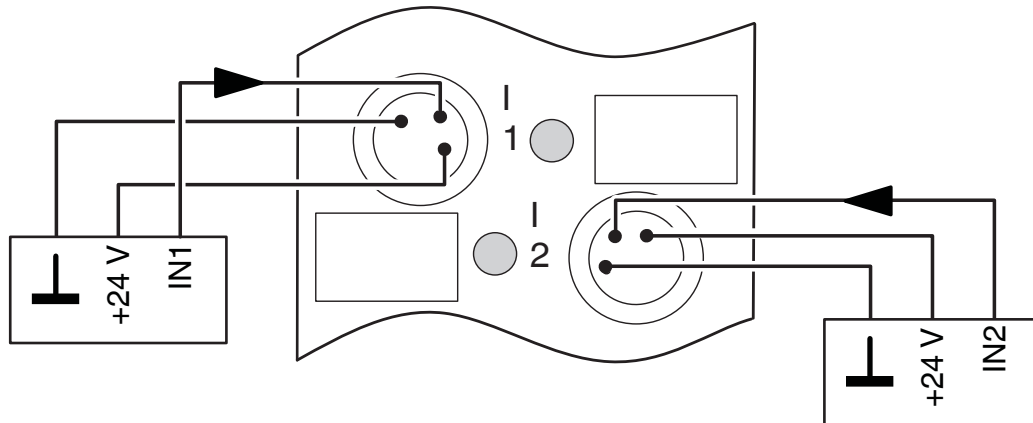
FLM DI 8 M8 - Distributed I/O device

2773348

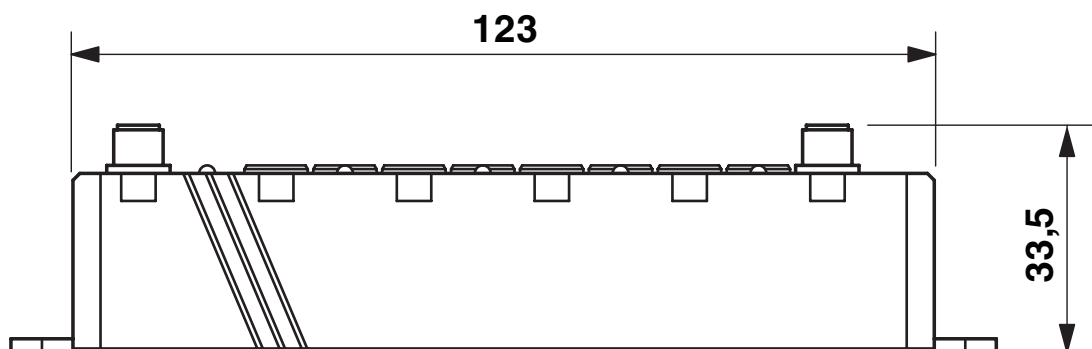
<https://www.phoenixcontact.com/sg/products/2773348>

Drawings

Connection diagram



Dimensional drawing



Side view (dimensions in mm)

FLM DI 8 M8 - Distributed I/O device



2773348

<https://www.phoenixcontact.com/sg/products/2773348>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/2773348>



cUL Recognized
Approval ID: FILE E 140324



UL Recognized
Approval ID: FILE E 140324



cUL Recognized
Approval ID: FILE E 199827



UL Recognized
Approval ID: FILE E 199827

cULus Recognized

cULus Recognized

FLM DI 8 M8 - Distributed I/O device



2773348

<https://www.phoenixcontact.com/sg/products/2773348>

Classifications

ECLASS

ECLASS-11.0	27242604
-------------	----------

ETIM

ETIM 8.0	EC001599
----------	----------

UNSPSC

UNSPSC 21.0	32151600
-------------	----------

FLM DI 8 M8 - Distributed I/O device



2773348

<https://www.phoenixcontact.com/sg/products/2773348>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg