

Distributed I/O device - FLS CO M12 DI 16 M12 - 2736479

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The stand-alone device for CANopen® 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

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 974268
GTIN	4017918974268

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

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

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

Distributed I/O device - FLS CO M12 DI 16 M12 - 2736479

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Ambient conditions

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/IP67

General

Mounting type	Wall mounting
Net weight	310 g

Interfaces

Designation	CANopen®
Connection method	2 M12 connectors, A-coded
Transmission speed	10, 20, 50, 125, 250, 500, 1000 kBit/s (Automatic baud rate detection)
Transmission physics	Copper cable with optional power supply in acc. with CAN standard
Address area assignment	1 ... 126, adjustable
Number of positions	5

Power supply for module electronics

Connection method	M12 connector, (A-coded)
Designation	U _L
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC (including ripple)

Fieldline 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

Digital inputs

Input name	Digital inputs
Description of the input	IEC 61131-2 type 1
Connection method	M12 connector, double occupancy
Connection technology	2, 3, 4-wire
Number of inputs	16
Filter time	1 ms
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

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Electrical isolation

Test section	24 V supply (bus logics) / FE
	24 V supply (bus logics) / Digital inputs (sensor supply / I/O) 500 V AC 50 Hz 1 min.
	FE / Digital inputs (sensor supply) 500 V AC 50 Hz 1 min.

Standards and Regulations

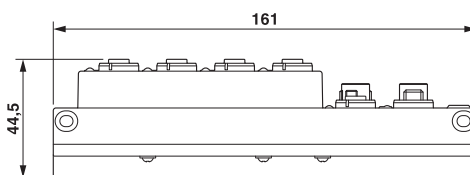
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Approvals

Approvals

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UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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cUL Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

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