

Distributed I/O device - FLS DN M12 DO 8 M12-2A - 2736055

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The stand-alone device for DeviceNet™ has 8 digital outputs each with a load capacity of 2 A. The M12 connection is established using fast connection technology. The 24 V DC supply is protected against short circuit and overload.

Product Features

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



DeviceNet

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	387.4 GRM
Custom tariff number	85176200
Country of origin	Germany

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	178 mm
Depth	49.3 mm
Drill hole spacing	168 mm

Ambient conditions

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Ambient conditions

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/IP67

General

Weight	350 g
Mounting type	Wall mounting
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	24 V supply (bus logics) / FE
	24 V supply (bus logics) / Digital outputs (actuator supply) 500 V AC 50 Hz 1 min
	FE / Digital outputs (actuator supply) 500 V AC 50 Hz 1 min
Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 Load 30g, half sine wave, positive and negative per direction

Interfaces

Fieldbus system	DeviceNet™
Designation	DeviceNet™
Connection method	2 M12 connectors, A-coded
Transmission speed	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

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)

Fieldline potentials

Voltage supply U_L	24 V DC
Power supply at U_L	4 A
Current consumption from U_L	typ. 80 mA
	max. 100 mA
Voltage supply U_S	24 V DC
Power supply at U_S	max. 4 A

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Fieldline potentials

Current consumption from U_S	typ. 3.5 mA
	max. 700 mA
Voltage supply U_{A11}	24 V DC
Power supply at U_{A11}	max. 4 A
Current consumption at U_{A11}	typ. 12 mA (plus actuator current)
	max. 4 A
Voltage supply U_{A12}	24 V DC
Power supply at U_{A12}	max. 4 A
Current consumption at U_{A12}	typ. 12 mA (plus actuator current)
	max. 4 A
Voltage supply U_{A21}	24 V DC
Power supply at U_{A21}	max. 4 A
Current consumption at U_{A21}	typ. 12 mA (plus actuator current)
	max. 4 A
Voltage supply U_{A22}	24 V DC
Power supply at U_{A22}	max. 4 A
Current consumption at U_{A22}	typ. 12 mA (plus actuator current)
	max. 4 A

Digital outputs

Output name	Digital outputs
Connection method	M12 connector
	2, 3-wire
Number of outputs	8
Protective circuit	Short-circuit protection
Output voltage	24 V DC
Maximum output current per channel	2 A

Classifications

eCl@ss

eCl@ss 4.0	27250302
eCl@ss 4.1	27250302
eCl@ss 5.0	27250302
eCl@ss 5.1	27242604
eCl@ss 6.0	27242604
eCl@ss 7.0	27242604

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Classifications

eCl@ss

eCl@ss 8.0	27242604
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ETIM

ETIM 2.0	EC001430
ETIM 3.0	EC001599
ETIM 4.0	EC001599
ETIM 5.0	EC001599

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Approvals

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UL Recognized / cUL Recognized / GOST / DeviceNet™ / null / DeviceNet™ / null / null / null / null / null / null / null / null / DeviceNet™ / null / null / null / null / null / null / null / DeviceNet™ / null / null / null / null / null / null / null / DeviceNet™ / null / null / null / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approvals submitted

Approval details

UL Recognized

cUL Recognized

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Approvals

GOST 
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DeviceNet™

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DeviceNet™

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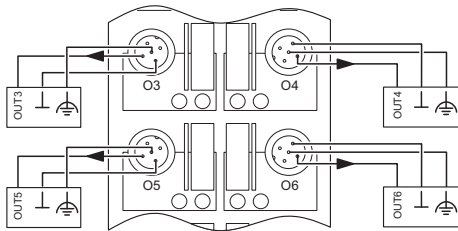
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Approvals

DeviceNet™
cULus Recognized 

Drawings

Connection diagram



Dimensioned drawing

