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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

Dimensions

Width	60 mm
Height	178 mm
Depth	49.3 mm
Drill hole spacing	168 mm

Ambient conditions

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

Technical data

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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Technical data

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

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

Classifications

eCl@ss

eCl@ss 8.0	27242604

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 / null / DeviceNet™ / null / null / null / null / null / null / null / null / null / DeviceNet™ / null / null / null / null / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approvals submitted

Approval details

UL Recognized

cUL Recognized

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

Approvals

GOST

DeviceNet™

DeviceNet™

DeviceNet™

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

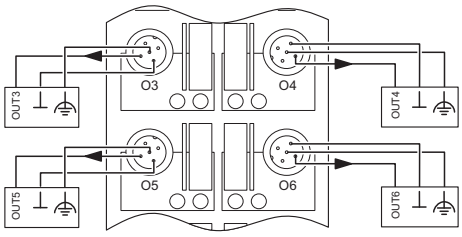
Approvals

DeviceNet™

cULus Recognized

Drawings

Connection diagram



Dimensioned drawing