

Distributed I/O device - FLS PB M12 DO 8 M12-2A - 2736110

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The stand-alone device for PROFIBUS 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



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	389.3 g
Custom tariff number	85389099
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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Environmental Product Compliance

REACH SVHC	DEHP 117-81-7
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Dimensions

Width	60 mm
Height	178 mm
Depth	49.3 mm

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Dimensions

Drill hole spacing	168 mm
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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

Mounting type	Wall mounting
Net weight	337.74 g

Interfaces

Fieldbus system	PROFIBUS DP
Designation	PROFIBUS DP
Connection method	2x M12 connectors, B-coded
Designation connection point	Copper cable
Transmission speed	9,6 kBit/s ... 12 MBit/s (Automatic baud rate detection)
Transmission physics	PROFIBUS-DP-compliant copper cable
Address area assignment	1 ... 99, 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	18 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. 40 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. 3 mA
	max. 700 mA
Voltage supply U_{A11}	24 V DC

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Fieldline potentials

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

Standards and Regulations

Test section	24 V supply (bus logics) / Bus connection
	24 V supply (bus logics) / FE 500 V AC 50 Hz 1 min.
	24 V supply (bus logics) / Digital outputs (actuator supply) 500 V AC 50 Hz 1 min.
	Bus connection / FE 500 V AC 50 Hz 1 min.
	Bus connection / Digital outputs (actuator supply) 500 V AC 50 Hz 1 min.
	FE / Digital outputs (actuator supply) 500 V AC 50 Hz 1 min.
Connection in acc. with standard	CUL
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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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
eCl@ss 8.0	27242604
eCl@ss 9.0	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 / PROFIBUS / EAC / EAC / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approvals submitted

Approval details

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Approvals

UL Recognized

cUL Recognized

PROFIBUS

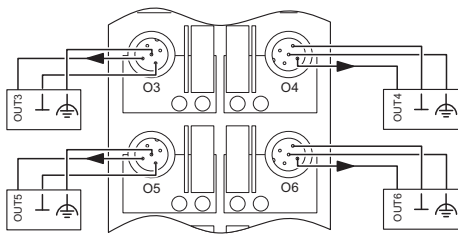
EAC

EAC

cULus Recognized

Drawings

Connection diagram



Dimensional drawing

