

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.

Your advantages

- ✓ 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
GTIN	 4 017918 899578
GTIN	4017918899578

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

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

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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	337.74 g

Interfaces

Designation	PROFIBUS DP
Connection method	2x M12 connectors, B-coded
Designation connection point	Copper cable
Transmission speed	9.6 kbps ... 12 Mbps (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
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

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Technical data

Fieldline potentials

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
Connection technology	2, 3-wire
Number of outputs	8
Type of protection	Short-circuit protection
Output voltage	24 V DC
Maximum output current per channel	2 A

Electrical isolation

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.

Standards and Regulations

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

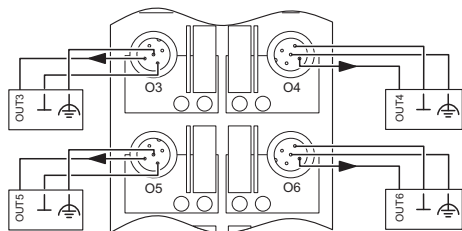
Environmental Product Compliance

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

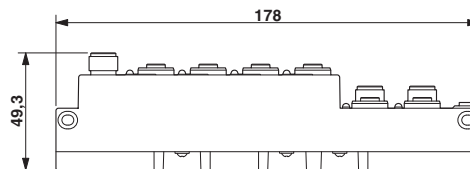
Drawings

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Connection diagram



Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / PROFIBUS / EAC / EAC / 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
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
PROFIBUS			Z00795
EAC			EAC-Zulassung
EAC			RU *- DE.A*30.B.01735
cULus Recognized			

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