

Distributed I/O device - FLS IB M12 DO 8 M12-2A - 2736039

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The stand-alone device for INTERBUS 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
- Short-circuit and overload protection
- SPEEDCON fast locking system
- Consistent connection via M12 connectors



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 899653
GTIN	4017918899653

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
Permissible humidity (storage/transport)	95 %

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Ambient conditions

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	350 g

Interfaces

Designation	INTERBUS
	Remote bus
Connection method	2 M12 connectors, B-coded
Designation connection point	Copper cable
Transmission speed	500 kbps
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. 80 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. 3.5 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)

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Fieldline potentials

	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) / FE 500 V AC 50 Hz 1 s
	24 V supply (bus logics) / 24 V supply (US) 500 V AC 50 Hz 1 s
	24 V supply (bus logics) / Digital outputs (actuator supply) 500 V AC 50 Hz 1 s
	24 V supply (bus logics) / Incoming remote bus 500 V AC 50 Hz 1 s
	24 V supply (bus logics) / Outgoing remote bus 500 V AC 50 Hz 1 s
	24 V supply (US) / FE 500 V AC 50 Hz 1 s
	Digital outputs (actuator supply) / FE 500 V AC 50 Hz 1 s
	Digital outputs (actuator supply) / 24 V supply (US) 500 V AC 50 Hz 1 s
	Digital outputs (actuator supply) / Incoming remote bus 500 V AC 50 Hz 1 s
	Incoming remote bus / FE 500 V AC 50 Hz 1 s
	Incoming remote bus / Outgoing remote bus 500 V AC 50 Hz 1 s
	Outgoing remote bus / FE 500 V AC 50 Hz 1 s
	Outgoing remote bus / 24 V supply (US) 500 V AC 50 Hz 1 s
	Outgoing remote bus / Digital outputs (actuator supply) 500 V AC 50 Hz 1 s

Standards and Regulations

Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 Load 30g, half sine wave, positive and negative per direction
	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5g in each space direction
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
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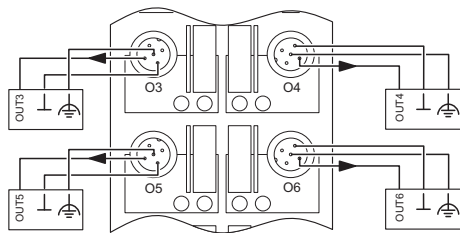
Technical data

Environmental Product Compliance

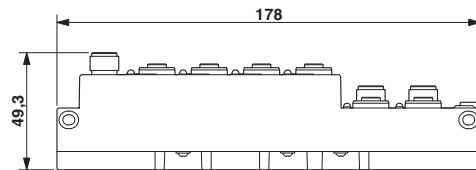
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Connection diagram



Dimensional drawing



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / INTERBUS CLUB / 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
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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INTERBUS CLUB	378/25.10.02
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EAC		EAC-Zulassung
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Approvals

cULus Recognized



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