

Distributed I/O device - FLM DO 8 M12 - 2736291

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The local bus device has digital outputs. Functions: 8 digital outputs of 500 mA each, 500 kbaud/2 Mbaud selection, channel-specific diagnostics, short-circuit and overload protection, M12 fast connection technology.

Product Features

- Flexible power supply concept
- SPEEDCON rapid interlock system
- Diagnostic and status indicators
- Short-circuit and overload protection
- Consistent connection via M12 connectors

Key commercial data

package_quantity	1
GTIN	4017918951085

Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	70 mm
Height	178 mm
Depth	50 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 %
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	IP65/67

General

Weight	310 g
Mounting type	Wall mounting
Protection class	III, IEC 61140, EN 61140, VDE 0140-1

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Technical data

General

Test section	To I/O 500 V AC
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Interfaces

Name	Fieldline local bus
Connection method	M12 connector, B-coded
Designation connection point	Copper cable
Transmission speed	500 kBit/s / 2 MBit/s
Number of positions	5

Power supply for module electronics

Connection method	M12 connector
Name	U_L
Supply voltage	24 V DC
Supply voltage range	18 V DC ... 30 V DC IEC 61131-2 (including ripple)

Fieldline potentials

Voltage supply U_L	24 V DC
Power supply at U_L	max. 4 A
Current consumption from U_L	max. 50 mA (At 2 Mbaud)
Current consumption from U_L	typ. 45 mA (At 2 Mbaud)
Current consumption from U_L	max. 50 mA (At 500 kBaud)
Current consumption from U_L	typ. 40 mA (At 500 kBaud)
Voltage supply U_S	24 V DC
Power supply at U_S	max. 4 A
Current consumption from U_S	typ. 5 mA (plus power supply for sensors)
Current consumption from U_S	max. 600 mA
Voltage supply U_{A11}	24 V DC
Power supply at U_{A11}	max. 4 A
Current consumption at U_{A11}	typ. 3 mA
Current consumption at U_{A11}	max. 2 A
Voltage supply U_{A12}	24 V DC
Power supply at U_{A12}	max. 4 A
Current consumption at U_{A12}	typ. 3 mA
Current consumption at U_{A12}	max. 2 A

Digital outputs

Output name	Digital outputs
Connection method	M12 connector
Connection method	2, 3-wire
Number of outputs	8
Protective circuit	Short-circuit protection
Output voltage	24 V DC
Maximum output current per channel	500 mA

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Technical data

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

ETIM

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

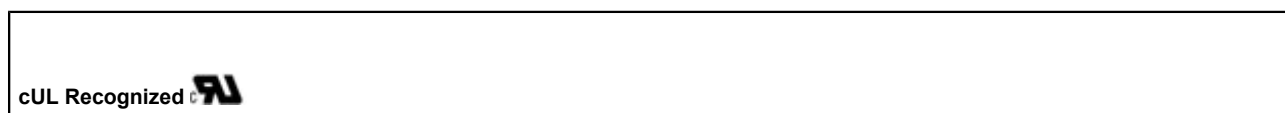
UNSPSC

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

approvals

UL Recognized / cUL Recognized / cULus Recognized / UL Recognized / cUL Recognized / cULus Recognized /

Approval details



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approvals



accessories

Terminal marking

ZBF 12:UNBEDRUCKT - 0809735



Data cable preassembled

SAC-5P-M12MSB/ 2,0-900 - 1507065



SAC-5P-M12MSB/ 5,0-900 - 1507078



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accessories

SAC-5P-M12MSB/10,0-900 - 1507081



SAC-5P-M12MSB/15,0-900 - 1507094



SAC-5P- 2,0-900/M12FSB - 1507117



SAC-5P- 5,0-900/M12FSB - 1507120



SAC-5P-10,0-900/M12FSB - 1507133



SAC-5P-15,0-900/M12FSB - 1507146



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accessories

SAC-5P-M12MSB/ 0,3-900/M12FSB - 1507162



SAC-5P-M12MSB/ 0,5-900/M12FSB - 1507175



SAC-5P-M12MSB/ 1,0-900/M12FSB - 1507188



SAC-5P-M12MSB/ 2,0-900/M12FSB - 1507191



SAC-5P-M12MSB/ 5,0-900/M12FSB - 1507201



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accessories

SAC-5P-M12MSB/10,0-900/M12FSB - 1507214



SAC-5P-M12MSB/15,0-900/M12FSB - 1507227



Sensor/actuator cable

SAC-5P-MS/ 2,0-186 SCO - 1518326



SAC-5P-MS/ 5,0-186 SCO - 1518339



SAC-5P-MS/10,0-186 SCO - 1518342



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accessories

SAC-5P-MS/15,0-186 SCO - 1518355



SAC-5P- 2,0-186/FS SCO - 1518368



SAC-5P- 5,0-186/FS SCO - 1518371



SAC-5P-10,0-186/FS SCO - 1518384



SAC-5P-15,0-186/FS SCO - 1518397



SAC-5P-MS/ 0,3-186/FS SCO - 1518407



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accessories

SAC-5P-MS/ 0,5-186/FS SCO - 1518410



SAC-5P-MS/ 1,0-186/FS SCO - 1518423



SAC-5P-MS/ 2,0-186/FS SCO - 1518436



SAC-5P-MS/ 5,0-186/FS SCO - 1518449



SAC-5P-MS/10,0-186/FS SCO - 1518452



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accessories

SAC-5P-MS/15,0-186/FS SCO - 1518465



SAC-5P-MS/ 0,13-186/FS SCO - 1518481



SAC-5P-MSB/0,13-PUR/FSB SCO SH - 1518478



Circular connector (cable-side)

SACC-M12MSB-5CON-PG9 SH AU - 1507764



SACC-M12FSB-5CON-PG9 SH AU - 1507777



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accessories

SACC-M12MSB-5SC SH - 1513570



SACC-M12FSB-5SC SH - 1513596



SACC-M12MRB-5SC SH - 1513583



SACC-M12FRB-5SC SH - 1513606



SACC-M12MS-5SC M - 1508187



SACC-M12FS-5SC M - 1508200



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accessories

accessories

PROT-M12-M - 2736194

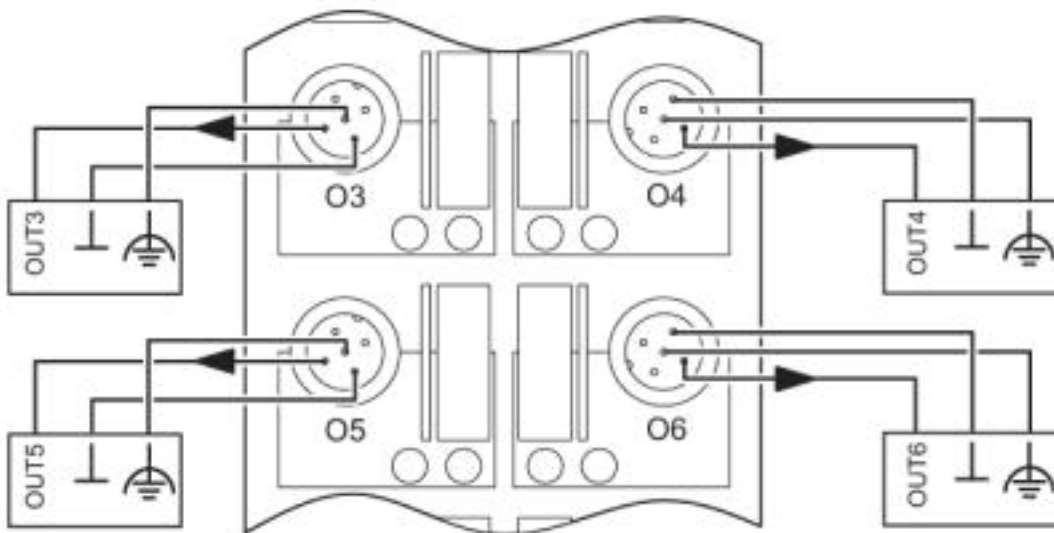


ZBF 12:SO/CMS - 0810038



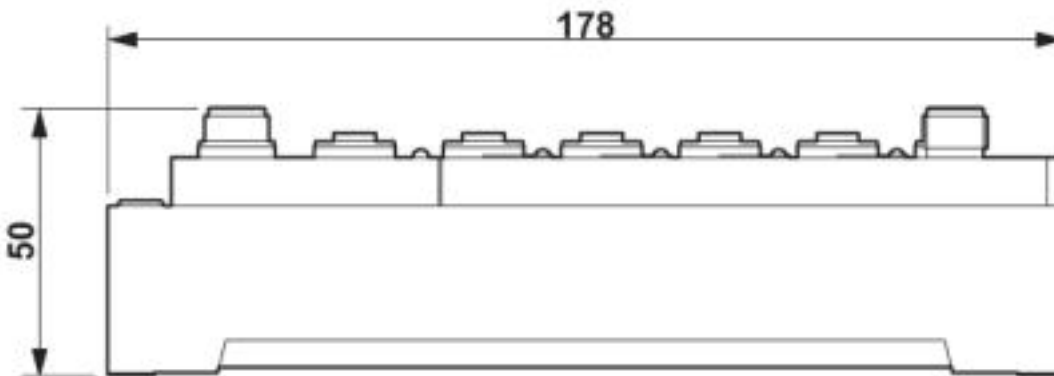
Drawings

Connection diagram



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Dimensioned drawing



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