

Distributed I/O device - FLM DIO 8/8 M12 - 2736848

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The local bus device has digital inputs and outputs. Functions: 8 digital inputs, 3 ms filter time, 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
- Short-circuit and overload protection
- Diagnostic and status indicators
- SPEEDCON rapid interlock system
- Consistent connection via M12 connectors

Key commercial data

package_quantity	1
GTIN	4046356135603

Technical data

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	330 g
Mounting type	Wall mounting
Protection class	III, IEC 61140, EN 61140, VDE 0140-1
Test section	To I/O 500 V AC

Interfaces

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Technical data

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. 55 mA (At 2 Mbaud)
Current consumption from U_L	typ. 50 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. 4 A

Digital inputs

Input name	Digital inputs
Connection method	M12 connector
Connection method	2, 3, 4-wire
Number of inputs	8
Protective circuit	Protection against polarity reversal
Filter time	3 ms
Input characteristic curve	IEC 61131-2 type 1
Input voltage	24 V DC
Input voltage range "0" signal	-30 V DC ... 5 V DC

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Digital inputs

Input voltage range "1" signal	13 V DC ... 30 V DC
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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

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

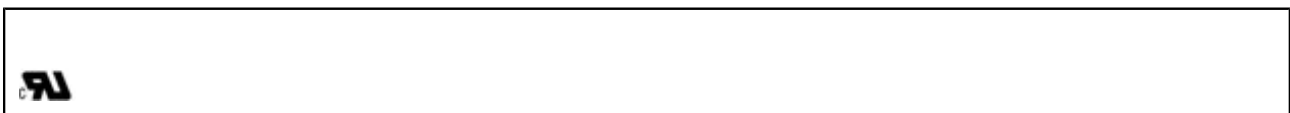
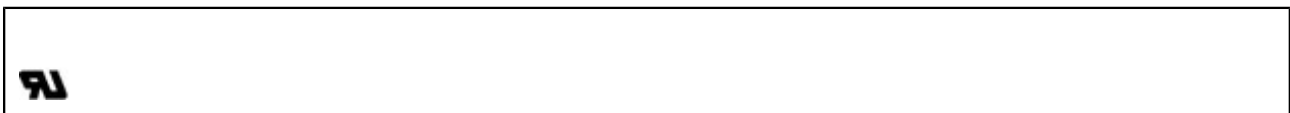
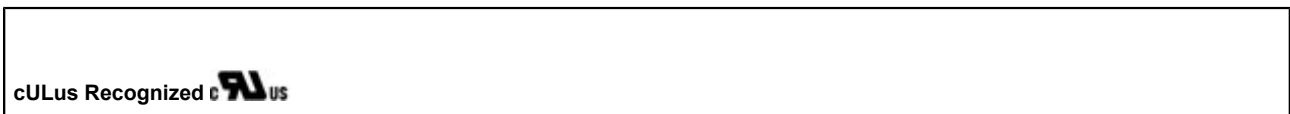
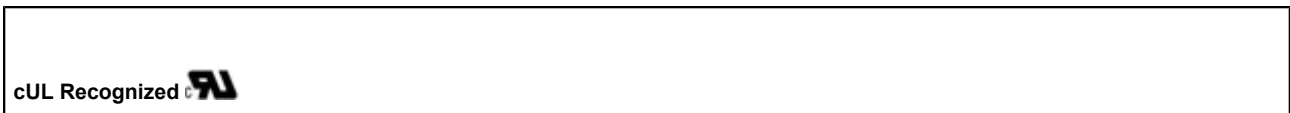
approvals

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

Approval details

Distributed I/O device - FLM DIO 8/8 M12 - 2736848

approvals



accessories

Terminal marking

ZBF 12:UNBEDRUCKT - 0809735



Data cable preassembled

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



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accessories

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



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



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accessories

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



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



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accessories

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



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



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accessories

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



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



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accessories

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



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



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accessories

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



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



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accessories

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



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



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accessories

SACC-M12FS-5SC M - 1508200



Y-distributor

SAC-3P-M12Y/2XM12FS PE - 1683455



accessories

PROT-M12-M - 2736194



ZBF 12:SO/CMS - 0810038



Drawings

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