

Distributed I/O device - FLM TEMP 4 RTD M12 - 2736819

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The local bus device has 4 inputs for resistive temperature sensors. Functions: 180 µs A/D conversion time, measured value output in 16-bit values, 500 kbaud/2 Mbaud selection, PCP configuration, short-circuit/overload protection, M12 fast connection technology.

Product Features

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

Key commercial data

package_quantity	1
GTIN	4046356163248

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

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Technical data

General

Mechanical tests	Vibration resistance in acc. with EN 60068-2-6/IEC 60068-2-6 5 g
Mechanical tests	Shock in acc. with EN 60068-2-27/IEC 60068-2-27 30g, half-sine shock pulse

Interfaces

Name	Fieldline local bus
Connection method	M12 connector, B-coded
Transmission speed	500 kBit/s / 2 MBit/s
Transmission physics	Copper

Power supply for module electronics

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	max. 4 A
Current consumption from U_L	max. 100 mA (At 2 Mbaud)
Current consumption from U_L	typ. 70 mA
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. 400 mA

Analog inputs

Number of inputs	max. 4 (for resistance temperature detectors)
Connection method	M12 connector
Connection method	2, 3, 4-wire (shielded)
Number of inputs	max. 4 (for resistance temperature detectors)
Connection method	M12 connector
Connection method	2, 3, 4-wire (shielded)
Sensor types (RTD) that can be used	Pt, Ni, KTY sensors, linear resistors
Process data update	(Dependent on the connection method)
Input filter time	4.1 ms (default setting or 0.6 ms; adjustable for each channel)

classifications

eCl@ss

eCl@ss 4.0	27250303
eCl@ss 4.1	27250303
eCl@ss 5.0	27250303
eCl@ss 5.1	27250303
eCl@ss 6.0	27242601
eCl@ss 7.0	27242601

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classifications

eCl@ss

eCl@ss 8.0	27242601
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ETIM

ETIM 2.0	EC001431
ETIM 3.0	EC001596
ETIM 4.0	EC001596
ETIM 5.0	EC001596

UNSPSC

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

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

Terminal resistor

SAC-5P-M12MS CAN 150 TR - 1536162



Device parameterization

AX+ BASIC - 2985068



AX DTM LIB - 2988065



accessories

PROT-M12-M - 2736194



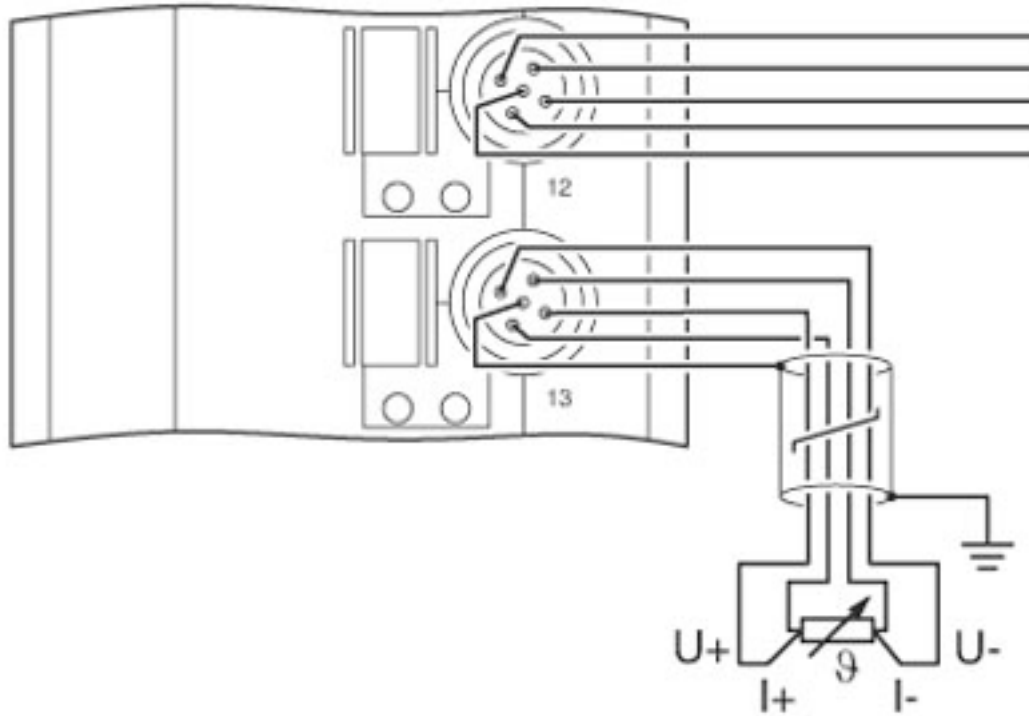
ZBF 12:SO/CMS - 0810038



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Drawings

Connection diagram



Dimensioned drawing

