Replacement electronics module - IB STME 24 BAI 8/EF - 2701956

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INTERBUS-ST analog input module, 8 inputs, 0 - 5 V, 0 - 10 V, 0 - 25 V, 0 - 50 V, 0 - 20 mA, 4 - 20 mA, 0 - 40 mA, 0 - 60 mA, degree of protection IP20, comprising: Module electronics only

Your advantages

- 8 analog inputs for the connection of either voltage or current signals
- Connection of sensors in 2-wire technology

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 895750
GTIN	4046356895750
Weight per Piece (excluding packing)	249.700 g
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

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

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)
Air pressure (operation)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	80 kPa ... 106 kPa (up to 2000 m above sea level)
Degree of protection	IP20

General

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Technical data

General

Mounting type	DIN rail
Net weight	249.7 g
Operating mode	Process data mode with 4 words
Diagnostics messages	Failure of the internal I/O supply I/O error message sent to the bus coupler
	F1 fuse failure I/O error message sent to the bus coupler
	I/O supply failure I/O error message sent to the bus coupler

Interfaces

Designation	ST local bus
No. of channels	2
Connection method	ST local bus connector
Transmission speed	500 kbps
Transmission physics	Copper

Power supply for module electronics

Connection method	ST local bus connector
Designation	Communications power
Supply voltage	9 V DC (from the ST local bus)
Current consumption	typ. 54 mA
	max. 80 mA
Power consumption	typ. 0.5 W

Analog inputs

Input name	Analog inputs
Number of inputs	max. 8 (Voltage or current)
Connection technology	2, 3-conductor
A/D conversion time	max. 10 µs (per channel)
Measuring principle	Successive approximation
Measured value representation	8 bit straight binary (default) or 12 bit two’s complement (can be parameterized)
Number of inputs	8 (Voltage inputs)
Voltage input signal	0 V ... 10 V
	0 V ... 5 V
	0 V ... 25 V
	0 V ... 50 V
Input resistance of voltage input	150 kΩ
Number of inputs	8 (Current inputs)
Current input signal	4 mA ... 20 mA
	0 mA ... 20 mA
	0 mA ... 40 mA
	0 mA ... 60 mA (rms)
	0 mA ... 100 mA (peak)

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Analog inputs

Input resistance current input	77 Ω

Electrical isolation

Test section	Bus/Inputs 500 V AC 50 Hz 1 min.
	Supply voltage/inputs 500 V AC 50 Hz 1 min.
	Supply voltage/Ground conductor 500 V AC 50 Hz 1 min.
	I/O voltage/Ground conductor 500 V AC 50 Hz 1 min.

Standards and Regulations

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

Environmental Product Compliance

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

Classifications

eCl@ss

eCl@ss 5.1	27242600
eCl@ss 6.0	27242600
eCl@ss 7.0	27242601
eCl@ss 8.0	27242601
eCl@ss 9.0	27242601

ETIM

ETIM 4.0	EC001599
ETIM 5.0	EC001596
ETIM 6.0	EC001596
ETIM 7.0	EC001596

UNSPSC

UNSPSC 13.2	32151602
UNSPSC 18.0	32151602
UNSPSC 19.0	32151602
UNSPSC 20.0	32151602
UNSPSC 21.0	32151602