

Replacement electronics module - IB STME 24 AO 4/EF - 2701954

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INTERBUS-ST analog output module, 4 outputs, 0 - 10 V, ±10 V, 0 - 20 mA, 4 - 20 mA, comprising: Module electronics only



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356895736
Weight per Piece (excluding packing)	241.000 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
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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

Mounting type	DIN rail
Net weight	241 g
Operating mode	Process data mode with 4 words

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Technical data

General

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
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 outputs

Number of outputs	4 (Voltage or current)
Connection technology	2, 3-conductor
Output name	Analog outputs
D/A conversion time	max. 1 ms (incl. slew rate)
D/A converter resolution	12 bit
Type of protection	Transient protection
Protective circuit/component	Suppressor diode
Representation of output values	16 bit two's complement
Current output signal	0 mA ... 20 mA (SF and SF4 mode)
	4 mA ... 20 mA (Mode SF4)
Load/output load current output	to 500 Ω
Voltage output signal	-10 V ... 10 V (Mode BP)
	0 V ... 10 V (SF and SF4 mode)
Load/output load voltage output	> 2 kΩ

Electrical isolation

Test section	Bus/Outputs 500 V AC 50 Hz 1 min.
	Supply voltage/Outputs 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)
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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