

# 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

## 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
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

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## Technical data

### General

	I/O supply failure I/O error message sent to the bus coupler
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### 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 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

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e

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#### Environmental Product Compliance

	No hazardous substances above threshold values
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