

IB STME 24 AO 4/EF - Replacement electronics module

2701954

<https://www.phoenixcontact.com/us/products/2701954>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

Commercial data

Item number	2701954
Packing unit	1 pc
Sales key	DR03
Product key	DRI342
GTIN	4046356895736
Weight per piece (including packing)	248.6 g
Weight per piece (excluding packing)	241 g
Customs tariff number	85389091
Country of origin	DE

IB STME 24 AO 4/EF - Replacement electronics module



2701954

<https://www.phoenixcontact.com/us/products/2701954>

Technical data

Interfaces

ST local bus

Connection method	ST local bus connector
Transmission speed	500 kbps
Transmission physics	Copper

System properties

Programming data

Length code (hex)	4
ID code (dec.)	125
Length code (dec)	4
Input address area	0 Byte
Output address area	8 Byte
Parameter channel (PCP)	0 Byte
Register length (bus)	8 Byte

Output data

Analog:

Output name	Analog outputs
Connection technology	2, 3-conductor
Number of outputs	4 (Voltage or current)
D/A conversion time	max. 1 ms (incl. slew rate)
D/A converter resolution	12 bit
Protective circuit	Transient protection; 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 k Ω

Product properties

Product type	I/O component
Type	modular INTERBUS Smart Terminal
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

IB STME 24 AO 4/EF - Replacement electronics module



2701954

<https://www.phoenixcontact.com/us/products/2701954>

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

Electrical properties

Supply: 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

Supply:

Designation	U_S
Supply voltage	24 V DC
Supply voltage range	19.5 V DC ... 30.2 V DC (including all tolerances, including ripple)
Current consumption	typ. 48 mA (Mode BP) typ. 130 mA (SF and SF4 mode)

Electrical isolation/isolation of the voltage ranges

Test voltage: Bus/Outputs	500 V AC, 50 Hz, 1 min
Test voltage: Supply voltage/Outputs	500 V AC, 50 Hz, 1 min
Test voltage: Supply voltage/Ground conductor	500 V AC, 50 Hz, 1 min
Test voltage: I/O voltage/Ground conductor	500 V AC, 50 Hz, 1 min

Connection data

Connection method	Snap on
-------------------	---------

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Degree of protection	IP20
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)
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 95 % (non-condensing)

Standards and regulations

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

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

IB STME 24 AO 4/EF - Replacement electronics module



2701954

<https://www.phoenixcontact.com/us/products/2701954>

Classifications

ECLASS

ECLASS-13.0	27242601
ECLASS-15.0	27242601

ETIM

ETIM 9.0	EC001596
----------	----------

UNSPSC

UNSPSC 21.0	32151600
-------------	----------

IB STME 24 AO 4/EF - Replacement electronics module



2701954

<https://www.phoenixcontact.com/us/products/2701954>

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
-------------------------------------	----------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com