

Communication module for the EasyB series **EB-MODBUS-RTU**



Advantages

Intelligent bus communication for reading and writing of information of connected EasyB modules

EasyB channels switchable individually

Adjustable tripping current

Two isolated signal contacts

Applications

Communication module as interface for connecting a higher-level controller. Compatible with circuit breakers in EB-08, EB-18, and EB-38 versions.

Standards

Safety:
EN 60950-1, EN 50178, EN/IEC 60204-1
EMC:
EN 61000-6-2 (interference immunity), EN 61000-6-3 (emitted interference)
CE:
Acc. to 2014/30/EU

Approvals



UL 508 (prepared), GL (prepared),
VW eCl@ss No.27-37-18-02 (prepared)

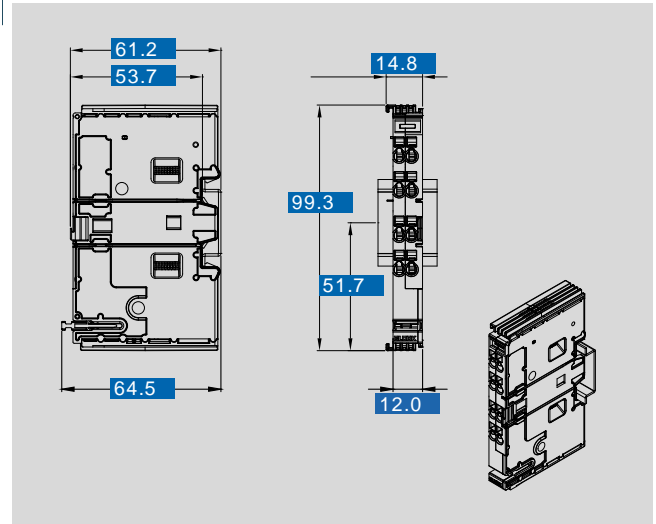


Communication module for the EasyB series

EB-MODBUS-RTU

Type	EB-MODBUS-RTU
Electrical data	
General data	
Input rated voltage	24 Vdc
Input voltage range	18 - 30 Vdc
Maximal residual ripple of supplied input voltage	3 %
Required input voltage for turning-on of outputs	17.5 V (Turn-off Threshold 16.7 V), ± 0.7 V
Power dissipation, no load/rated load	0,4 W/ 0,85 W
Initialization time of module	4,68 ms
Over voltage protection	Suppressor diode 33 V
Stand-by current	26 mA
Resistance to reverse feed max.	35 Vdc
Modbus Interface	RTU mode, 8Bit, No Parity, 1 Stop Bit Read:-state (tripped, On, Off) -set-/active current -input voltage -firmware version/serial number Write:-state (on, off, reset)
Bus communication	32
Max. bus participants	32
Signaling	
Isolated group input	"13" Solid State Relay 58 Vdc/ 40 Vac/ 100 mA
Isolated signal output	"24" Solid State Relay 58 Vdc/ 40 Vac/ 100 mA
Potential free signal output	"14" Solid State Relay 58 Vdc/ 40 Vac/ 100 mA
Signal output (ON/OFF/Reset)	Reset input Level high = min. 11 V, max. 30 V Level low = min. 0 V, max. 5 V Jitter: +/- 5 %; +/- 5 ms
Environment	
Ambient temperature	-25 °C...+70 °C
Storage temperature	-25° C...+85° C
Derating	-
Climatic category	3K3
Required minimum spacing (left/right)	0 mm
Required minimum spacing (over/under)	40 mm
Type of cooling	Natural convection
Relative humidity	5...96 % without condensation
Safety and protection	
Protection index	IP 20
Safety class	III, without PE connection
Degree of pollution	2
Order numbers	
available from	G1 2016
Order Number	EB-MODBUS-RTU

Type	EB-MODBUS-RTU
Mechanical data	
Terminal and mounting	
Terminals input, (spring clamp terminal)	max. 2,5 mm ²
Terminals interface (spring clamp terminal)	max. 2,5 mm ²
Terminals signalling, (spring clamp terminal)	max. 2,5 mm ²
Mounting position	horizontal for standard rail DIN TH 35
Measures and weights	
Weight	40,0 g
Dimension (W x H x D)	15 x 99 x 60 mm



Subjects to change.