

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



### Advantages

Intelligent interface for reading and writing of information of connected EasyB modules

EasyB channels switchable individually

Adjustable tripping current

Automatic feedthrough of all signal levels

### Applications

Communication modules 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)

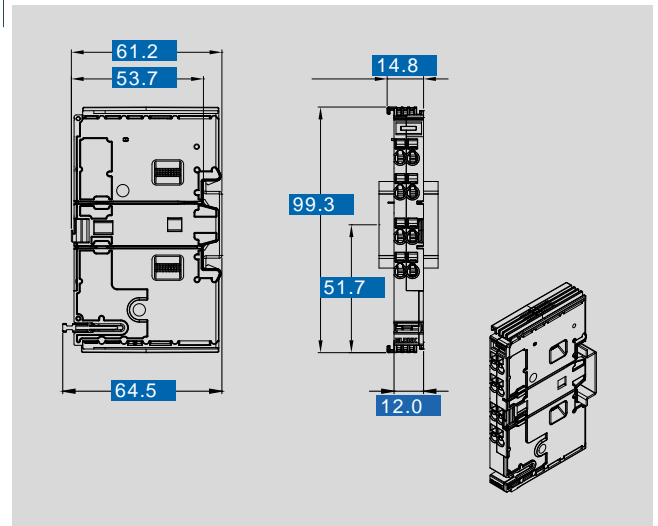


# Communication module for the EasyB series

## EB-MODBUS-RTU

Type	EB-MODBUS-RTU
<b>Electrical data</b>	
Special features	
Available from	in stock
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
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	
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
Approvals	
Approvals	UL (prepared), GL (prepared)
Environment	
Ambient temperature	-25 °C to +70 °C
Storage temperature	-25 °C to +85 °C
Derating	-
Climatic category	3K3
Required minimum spacing (left/right)	0 mm
Required minimum spacing (over/under)	30 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	
<b>Order Number</b>	<b>EB-MODBUS-RTU</b>

Type	EB-MODBUS-RTU
<b>Mechanical data</b>	
Terminal and mounting	
Terminals input, (spring clamp terminal)	-
Terminals interface (spring clamp terminal)	max. 2,5 mm <sup>2</sup>
Terminals signalling, (spring clamp terminal)	max. 2,5 mm <sup>2</sup>
Mounting position	horizontal for standard rail DIN TH 35
Measures and weights	
Dimension (W x H x D)	15 x 99 x 60 mm
Weight	0,040 kg



Subject to change.

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