

## Communication modules for the EasyB series **EB-IO-LINK**



### Advantages

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

EasyB channels switchable individually

Can be used to adjust 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, GL (prepared),  
VW eCl@ss No.27-37-18-02 (prepared)

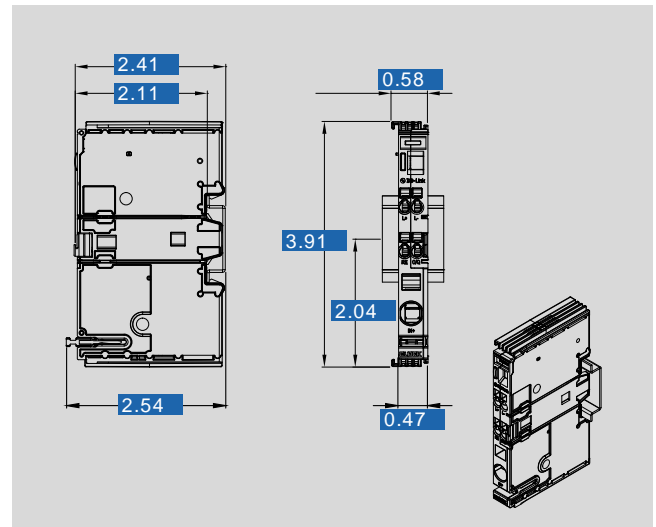


# Communication modules for the EasyB series

## EB-IO-LINK

Type	EB-IO-LINK
<b>Electrical data</b>	
For use with	EB-0824-xxx-x, EB-1824-xxx-x, EB-3824-xxx-x
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 Vdc (Turn-off Threshold 16.7 Vdc), ± 0.7 Vdc
Power dissipation, no load/rated load	0.36 W / 0.80 W
Initialization time of module	4,68 ms
Over voltage protection	Suppressor diode 33 Vdc
Stand-by current	33 mA
Resistance to reverse feed max.	35 Vdc
Interface	IO-LINK COM3 / 230400 B
Bus communication	Read:-state (tripped, On, Off) -set/active current -input voltage -firmware version/serial number Write:-state (on, off, reset)
Process data	
Number	6 Byte
Content	Collective signal, tripped / Channel
Signaling	
Isolated group input	-
Potential-free signal output	-
Signal output (ON/OFF/Reset)	input Level high = min. 11 Vdc, max. 30 Vdc Level low = min. 0 Vdc, max. 5 Vdc Jitter: +/- 5 %; +/- 5 ms
Approvals	
Approvals	UL (prepared), GL (prepared)
Environment	
Ambient temperature	-13 °F to + 158 °F
Storage temperature	-13 °F to +185 °F
Derating	-
Climatic category	3K3
Required minimum spacing (left/right)	0.00 inch
Type of cooling	Natural convection
Required minimum spacing (over/under)	1.18 inch
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-IO-LINK</b>

Type	EB-IO-LINK
<b>Mechanical data</b>	
Terminal and mounting	
Terminals input, (spring clamp terminal)	max. 16 mm <sup>2</sup>
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 TS35
Measures and weights	
Weight	0.09 lbs
Dimension (W x H x D)	0.59 x 3.9 x 2.36 inch
Dimensions in inch	



Subject to change.