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, UL 2367, DNV GL,
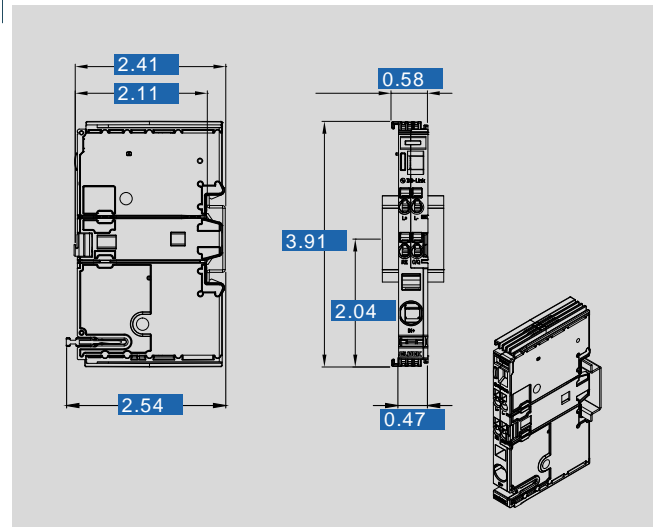VW eCl@ss No.27-37-18-02 (prepared)

Communication modules for the EasyB series
EB-IO-LINK

<table>
<tr><td colspan="2">Type</td><td>EB-IO-LINK</td></tr>
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Electrical data

For use with	
EB-0824-xxx-x, EB-1824-xxx-x, EB-3824-xxx-x	max. 40

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	0.36 W / 0.80 W
Initialization time of module	4,68 ms
Over voltage protection	Suppressor diode 33 V
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	-
Potential-free signal output	-
Signal output (ON/OFF/Reset)	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, DNV GL

Environment	
Ambient temperature	-13 °F to + 158 °F
Storage temperature	-13 °F . .+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	
Order Number	**EB-IO-LINK**

Mechanical data

<table>
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Terminal and mounting	
Terminals input, (spring clamp terminal)	max. 16 mm²
Terminals interface (spring clamp terminal)	max. 2,5 mm²
Terminals signalling, (spring clamp terminal)	max. 2,5 mm²
Mounting position	horizontal for standard rail DIN TS35

Measures and weights	
Weight	0.09 lbs

Dimensions in inch

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