

1-Channel circuit breaker current-limiting, communicative

EB-0824-100-4



EasyB

Advantages

- Automatic channel assignment
- Communication via communication modules
- Optional undervoltage shutdown in combined network
- Optional settings for tripping current
- Additional load outputs through output expanders mountable side by side
- Selective load-dependent activation
- Collective reset input
- 3 years warranty

Applications

Electronic circuit breaker with current-limiting characteristic and comprehensive communication with the connected modules.

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



1-Channel circuit breaker current-limiting, communicative **EB-0824-100-4**

Electrical data	Type	EB-0824-100-4	Mechanical data	Type	EB-0824-100-4		
	Input			Terminal and mounting			
	Input rated voltage	24 Vdc		Terminals input, (spring clamp terminal)	max. 16 mm ²		
	Input voltage range	18 - 30 Vdc		Terminals output, (spring clamp terminal)	max. 2.5 mm ² (1 x "+")		
	Maximal residual ripple of supplied input voltage	3 %		Terminals signalling, (spring clamp terminal)	max. 2.5 mm ²		
	Max. total input current	10 A		Mounting position	horizontal for standard rail DIN TS35		
	Max. input current for each pole of terminal	10 A (-), 40 A (+)		Measures and weights			
	Required input voltage for turning-on of outputs	17.5 Vdc (Turn-off Threshold 16.7 Vdc), ± 0.7 Vdc		Weight	0.042 kg		
	Max. power losses	1.2 - 2.5 W					
	Over voltage protection	Suppressor diode 33 Vdc					
Output							
Output rated voltage		24 Vdc					
Maximum voltage drop between input and output		130 mV					
Initialization time of module		52 ms					
Turn-on delay of outputs		min. 50 ms / max. 5 s					
Waiting periode after switch-off of an output		500 ms (Short circuit) ... 5 s (Overload)					
Parallel use of outputs		Not allowed					
Serial use of outputs		Not allowed					
Resistance to reverse feed max.		35 Vdc					
Output rated current		0.5 - 10 A, adjustable (0,5A, 1A, 2A, 3A, 4A, 5A, 6A, 8A, 10A)					
Efficiency		99.0 %					
Output limited current		typ. rated current x 1.25 (@ 1-10 A) typ. rated current x 2,5 (@ 0,5 A)					
Signaling							
Bus communication							
Status indicator							
Signal output							
Signal output (ON/OFF/Reset)							
Approvals							
Approvals							
Environment							
Type of cooling							
Ambient temperature							
Storage temperature							
Derating							
Relative humidity							
Required minimum spacing (left/right)							
Required minimum spacing (over/under)							
Safety and protection							
Protection index							
Safety class							
Degree of pollution							
Order numbers							
Order Number							
EB-0824-100-4							

Subject to change.