Electronic device circuit breaker - CB E1 24DC/6A NO P - 2800905

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The figure shows the CB E1 24DC/1A NO P version

Electronic device circuit breaker, 1-pos., active current limitation, 1 N/O contact, plug for base element.

Product Features

- Compact design with precise nominal current levels
- Modular expansion possible thanks to the uniform, plug-in housing concept
- Sophisticated remote signaling concept enables monitoring from any location
- N/O contact for remote signaling of the operating state
- Active current limitation, even when switching capacitive loads
- Supply/remote signaling can be bridged with CLIPLINE complete accessories

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	40.0 GRM
Custom tariff number	85362010
Country of origin	Germany

Technical data

General

Installation instructions	When mounted in rows without convection cooling, the nominal device current should only be led to a maximum of 80% due to the thermal effect during continuous operation (100% operating factor). Special precautionary measures must be taken in systems or machines, to prevent components from restarting (e.g., use of a safety PLC). Parallel connection of multiple circuit breakers is not permitted.
Mounting type	On base element
Color	gray
Number of positions	1

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Technical data

General

Pollution degree	2
Type	Male

Electrical data

Fuse type	Electronic
Rated surge voltage	0.5 kV
Operating voltage	24 V DC
	18 V DC ... 30 V DC
Nominal current I_N	6 A
Auxiliary contact type	Floating signal contact
Minimum auxiliary contact operating voltage	10 V DC
Maximum auxiliary contact operating voltage	30 V DC
Minimum auxiliary contact operating current	10 mA
Maximum auxiliary contact operating current	0.5 A
Tripping method	E (electronic)
Required backup fuse	not required, integrated failsafe element
Dielectric strength	max. 30 V DC (Load circuit)
Voltage drop	130 mV (at I_N)
Switch off	typ. 1.25 x I_N
Current limitation	active
Contact type	Without electrical isolation
Closed circuit current I_0	typ. 8 mA (When switched on)
	typ. 17 mA (With alarm output)

Dimensions

Height	45 mm
Width	12.3 mm
Depth	52 mm
Complete module height	90 mm
Complete module width	12.3 mm
Complete module depth	77.3 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 50 °C (non-condensing)
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Degree of protection	IP30 (Actuation area)

Standards and Regulations

Standards/specifications	UL 2367

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Technical data

Standards and Regulations

	UL 508
	CSA 22.2 No. 14
	EMV EN 61000-6-3 Noise emission
	EMV EN 61000-6-2 Noise immunity

Classifications

eCl@ss

eCl@ss 4.0	27141116
eCl@ss 4.1	27141116
eCl@ss 5.0	27141116
eCl@ss 5.1	27141116
eCl@ss 6.0	27141116
eCl@ss 7.0	27141116
eCl@ss 8.0	27141116

ETIM

ETIM 3.0	EC000899
ETIM 4.0	EC000899
ETIM 5.0	EC000899

UNSPSC

UNSPSC 6.01	30211812
UNSPSC 7.0901	39121411
UNSPSC 11	39121411
UNSPSC 12.01	39121411
UNSPSC 13.2	39121411

Approvals

Approvals

Approvals

UL Recognized / GL

Ex Approvals

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Approvals

Approvals submitted

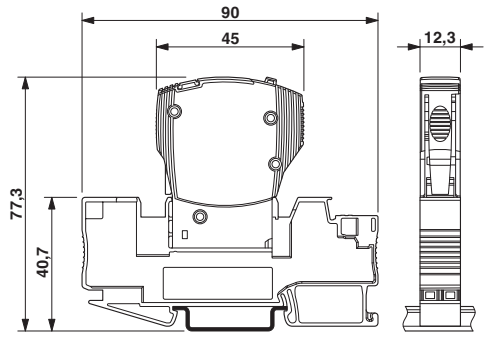
Approval details

UL Recognized

GL

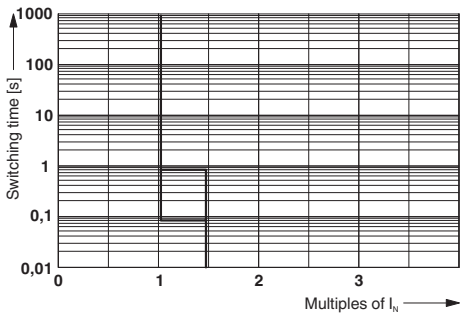
Drawings

Dimensioned drawing



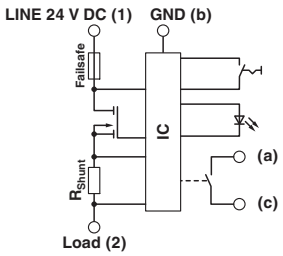
The figure shows the complete module consisting of a base element and connector

Diagram



Trigger characteristic

Circuit diagram



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Application drawing