Electronic device circuit breaker - CB E1 24DC/1A NC P - 2800915

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

Why buy this product

- 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/C 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	0
Minimum order quantity	1
GTIN	4 046356 690645
Custom tariff number	85363010
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.
Height	45 mm
Width	12.3 mm
Depth	52 mm
Höhe Komplettmodul	90 mm
Breite Komplettmodul	12.3 mm

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Technical data

General

Tiefe Komplettmodul	77.3 mm
Ambient temperature (operation)	0 °C ... 50 °C (without condensation)
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Degree of protection	IP30 (Actuation area)
Mounting type	On base element
Color	gray
Number of positions	1
Pollution degree	2
Design	Male

Technical data

Fuse type	Electronic
Rated surge voltage	0.5 kV
Operating voltage	24 V DC
Operating voltage	18 V DC ... 30 V DC
Nominal current I_N	1 A
Kontaktart des Hilfskontaktes	potenzialfreier Signalkontakt
minimale Betriebsspannung Hilfskontakt	10 V DC
maximale Betriebsspannung Hilfskontakt	30 V DC
minimaler Betriebsstrom Hilfskontakt	10 mA
maximaler Betriebsstrom Hilfskontakt	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	140 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)
Closed circuit current I_0	Typ. 17 mA (With alarm output)

Standards

Standard - Electrical safety	UL 2367
Standard - Electrical safety	UL 508
Standard - Electrical safety	CSA 22.2 No. 14
Standard - Electrical safety	EMV EN 61000-6-3 Noise emission
Standard - Electrical safety	EMV EN 61000-6-2 Noise immunity

Classifications

ETIM

ETIM 3.0	EC000899
ETIM 4.0	EC000899

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ETIM

ETIM 5.0	EC000899

UNSPSC

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

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

Accessories

Accessories

Bridges

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, Number of positions: 2, Color: red

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, Number of positions: 3, Color: red

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, Number of positions: 4, Color: red

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Accessories

Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, Number of positions: 5, Color: red

Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, Number of positions: 10, Color: red

Plug-in bridge - FBS 20-6 - 3030365



Plug-in bridge, Number of positions: 20, Color: red

Plug-in bridge - FBS 50-6 - 3032224



Plug-in bridge, Number of positions: 50, Color: red

Marking

Zack Marker strip, flat - ZBF 12:UNBEDRUCKT - 0809735



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 12 mm, Lettering field: 5.15 x 12.15 mm

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Accessories

Zack Marker strip, flat - ZBF 12 CUS - 0825018



Zack Marker strip, flat, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 12 mm, Lettering field: 5.15 x 12.15 mm

Tools

Cable-cutting tool - CUTFOX-FBS - 1212124



Cutting tool, for separating individual jumper bars from FBS ... plug-in bridges and EB ... insertion bridges

Jumper - CB PT BRIDGE - 2801014



Bridge plugs for the CB 1/6-2/4 PT-BE base element

Additional products

Base element - CB 1/6-2/4 PT-BE - 2800929

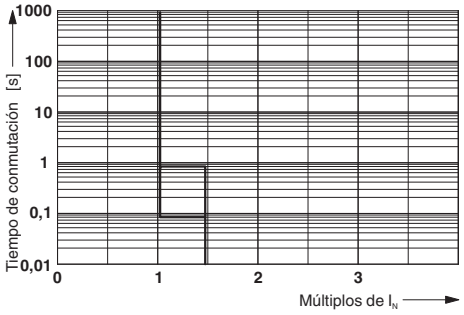


Base element with push-in connection technology for CB ... device circuit breakers

Drawings

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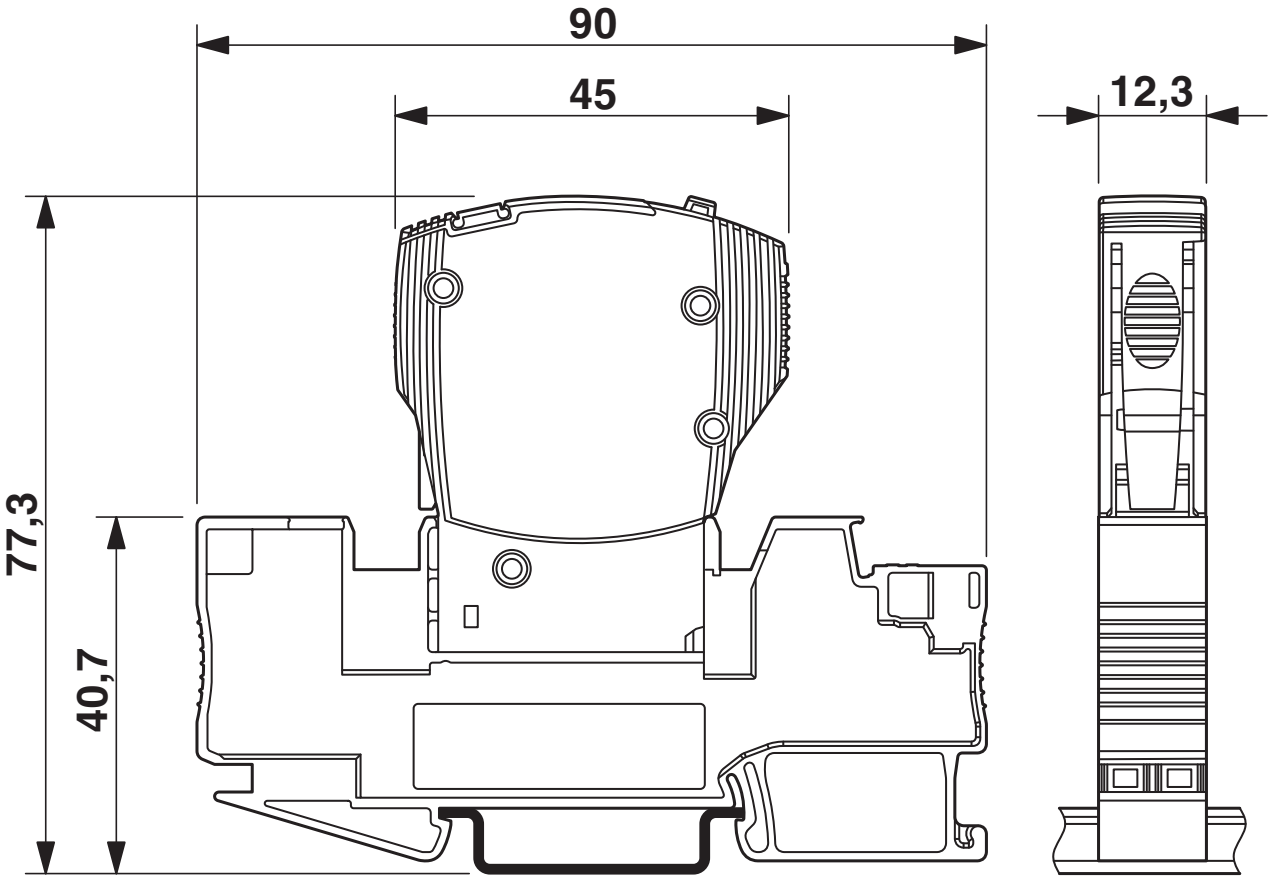
Diagram



Trigger characteristic

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Dimensioned drawing



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

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