

Electronic device circuit breaker - CB E1 24DC/2A S-C P - 2800923

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Electronic device circuit breaker, 1-pos., active current limitation, status output and control input, plug for base element.

The figure shows the CB E1 24DC/1A S-C P version

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
- The control input can be switched by means of remote control
- 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 690799 |
| Custom tariff number | 85363010 |
| Country of origin | GERMANY |

Technical data

General

| | |
|---------------------------------|---|
| Installation instructions | Bei Reihenmontage ohne Konvektionskühlung sollte der Gerätenennstrom wegen der thermischen Beeinflussung im Dauerbetrieb (100 % ED) nur zu max. 80 % geführt werden. In Anlagen oder Maschinen müssen besondere Vorkehrungen, die einen Wiederanlauf von Anlagenteilen ausschließen (z. B. Einsatz einer Sicherheits-SPS), getroffen werden. Das Parallelschalten mehrerer Schutzschalter ist nicht zulässig. |
| Height | 45 mm |
| Width | 12.3 mm |
| Depth | 52 mm |
| Ambient temperature (operation) | 0 °C ... 50 °C (without condensation) |

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Technical data

General

| | |
|---|-----------------------|
| 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 | 2 A |
| Tripping method | E (electronic) |
| Required backup fuse | (not required, integrated failsafe element) |
| Dielectric strength | max. 30 V DC (Load circuit) |
| Voltage drop | 100 mV (at I_N) |
| Switch off | typ. $1.25 \times I_N$ |
| 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. 11 mA (With status 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 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |

eCl@ss

| | |
|------------|----------|
| eCl@ss 5.1 | 27141116 |
| eCl@ss 6.0 | 27141116 |
| eCl@ss 7.0 | 27141116 |

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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

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

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Accessories

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

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

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Accessories

Jumper - CB PT BRIDGE - 2801014



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

Additional products

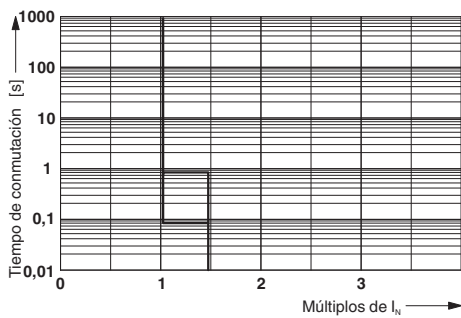
Base element - CB 1/6-2/4 PT-BE - 2800929



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

Drawings

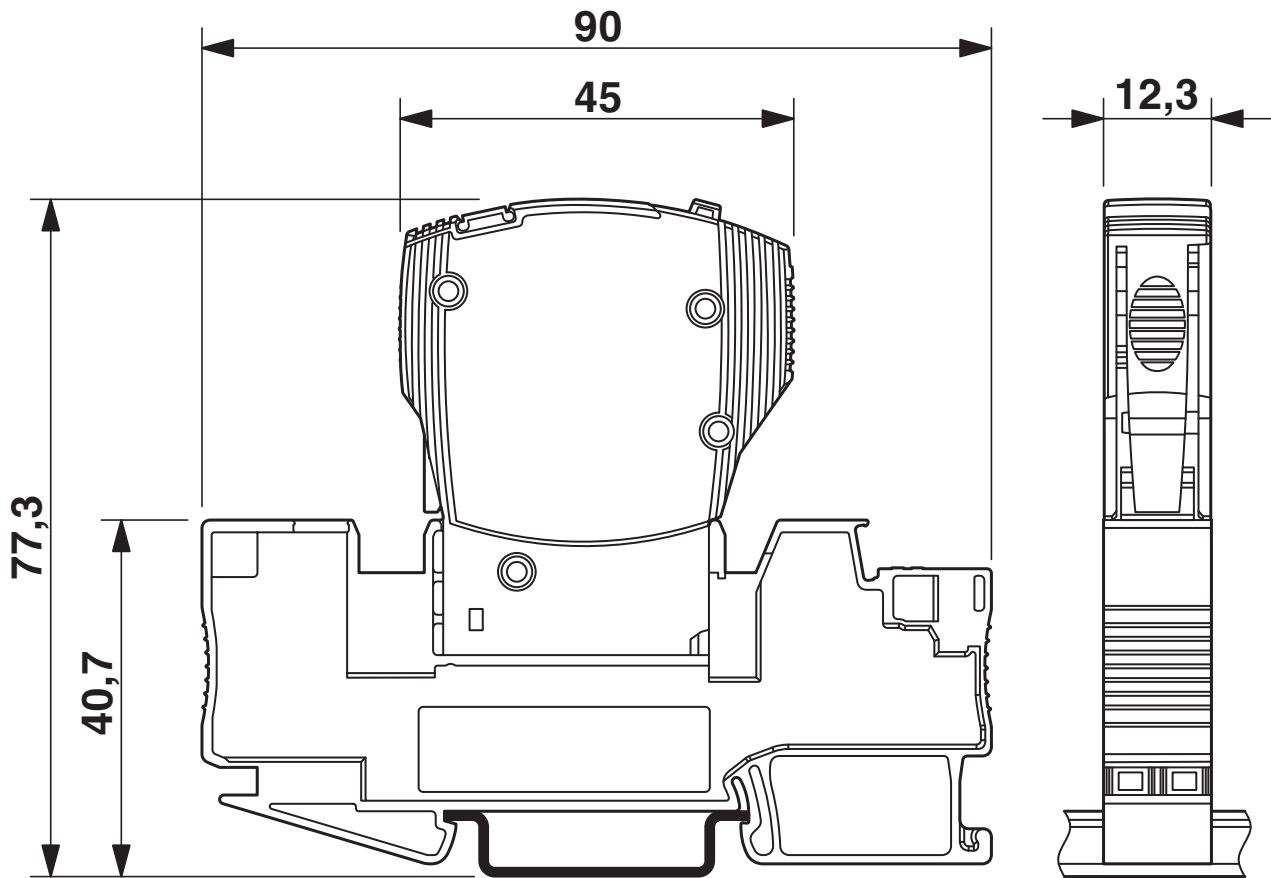
Diagram



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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