

## Electronic device circuit breaker - CB E1 24DC/10A S-C P - 2800928

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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

### 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
- ✓ 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	1 pc
Weight per Piece (excluding packing)	40.0 GRM
Custom tariff number	85362010
Country of origin	Germany

### Technical data

#### General

Inflammability class according to UL 94	V0
Mounting type	On base element
Color	gray
Number of positions	1
Pollution degree	2
Type	Male

#### Electrical data

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## Technical data

### Electrical data

Fuse type	Electronic
Rated surge voltage	0.5 kV
Operating voltage	24 V DC
	18 V DC ... 30 V DC
Nominal current $I_N$	10 A
Rated insulation voltage $U_i$	30 V (Load circuit)
Auxiliary contact type	Positive-switching signal output
Tripping method	E (electronic)
Required backup fuse	not required, integrated failsafe element
Dielectric strength	max. 30 V DC (Load circuit)
Voltage drop	120 mV (at $I_N$ )
Switch off	typ. $1.25 \times I_N$
Current limitation	active
Contact type	Without electrical isolation
Closed circuit current $I_o$	typ. 8 mA (When switched on)
	typ. 11 mA (With status output)

### Dimensions

Height	45 mm
Width	12.3 mm
Depth	52 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Degree of protection	IP30 (Actuation area)

### Standards and Regulations

Standards/specifications	UL 2367 in preparation
	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

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## Classifications

### eCl@ss

eCl@ss 5.0	27141116
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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

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Approvals

UL Recognized / GL

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Ex Approvals

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Approvals submitted

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### Approval details

UL Recognized 
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GL
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## Electronic device circuit breaker - CB E1 24DC/10A S-C P - 2800928

### Accessories

#### Accessories

#### Bridge

Jumper - CB PT BRIDGE - 2801014



Bridge plug for bridging contacts 1 to 2 for CB base elements

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Jumper - CB RC BRIDGE - 2801616



Bridge plug for bridging contacts 11 to 14 for CB base elements

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#### Cutting tools

Front cutter - CUTFOX-FBS - 1212124



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

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#### Jumper

Plug-in bridge - FBS 2-6 - 3030336



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

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### Accessories

Plug-in bridge - FBS 3-6 - 3030242



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

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Plug-in bridge - FBS 4-6 - 3030255



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

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Plug-in bridge - FBS 5-6 - 3030349



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

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Plug-in bridge - FBS 10-6 - 3030271



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

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Plug-in bridge - FBS 20-6 - 3030365



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

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# Electronic device circuit breaker - CB E1 24DC/10A S-C P - 2800928

## Accessories

Plug-in bridge - FBS 50-6 - 3032224



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

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## Labeled terminal marker

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

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## Terminal marking

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

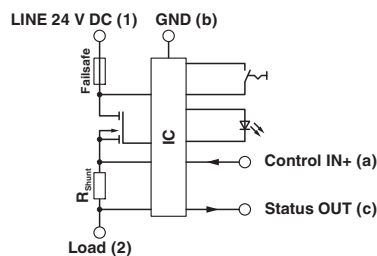


Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 12 mm, Lettering field: 5.15 x 12.15 mm

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## Drawings

Circuit diagram



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Application drawing

