


# CB E1 24DC/4A NO P

Order No.: 2800904

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.

Commercial data	
EAN	4  046356 690744
Pack	1
Customs tariff	85363010
Country of Origin	DE

### Product notes

WEEE/RoHS-compliant since: 01/02/2012



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

## 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 load outputs is not permitted.
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Height	45 mm
Width	12.3 mm
Depth	52 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
Number of positions	1
Pollution degree	2
Design	Male

#### Technical data

Fuse type	Electronic
Rated surge voltage	0.5 kV (Increased insulation in actuation area)
Operating voltage	24 V DC 18 V DC ... 30 V DC
Nominal current $I_N$	4 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) Typ. 17 mA (With alarm output)

#### Standards

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

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**Accessories**

Item	Designation	Description
<b>Bridges</b>		
3030336	FBS 2-6	Plug-in bridge, Number of positions: 2, Color: red
3030242	FBS 3-6	Plug-in bridge, Number of positions: 3, Color: red
3030255	FBS 4-6	Plug-in bridge, Number of positions: 4, Color: red
3030349	FBS 5-6	Plug-in bridge, Number of positions: 5, Color: red
3030271	FBS 10-6	Plug-in bridge, Number of positions: 10, Color: red
3030365	FBS 20-6	Plug-in bridge, Number of positions: 20, Color: red
3032224	FBS 50-6	Plug-in bridge, Number of positions: 50, Color: red

<b>General</b>		
2801014	CB PT BRIDGE	Bridge plugs for the CB 1/6-2/4 PT-BE base element

<b>Marking</b>		
0825018	ZBF 12 CUS	Zack Marker strip, flat, 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
0809735	ZBF 12:UNBEDRUCKT	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

<b>Tools</b>		
1212124	CUTFOX-FBS	<b>Cutting tool</b> , for separating individual jumper bars from FBS ... plug-in bridges and EB ... insertion bridges

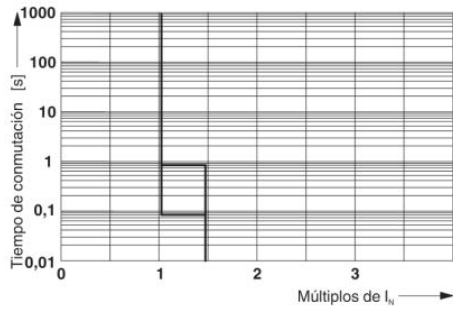
**Additional products**

Item	Designation	Description
<b>General</b>		
2800929	CB 1/6-2/4 PT-BE	Base element for CB... device circuit breakers

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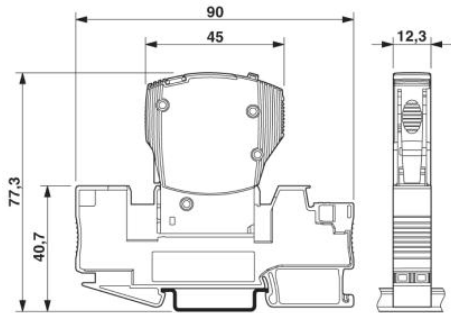
## Drawings

### Diagram



Trigger characteristic

### Dimensioned drawing



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

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