


CB E1 24DC/2A NO P

Order No.: 2800902

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 690720
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	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) 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

Accessories

Item	Designation	Description
Bridges		
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

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

Marking		
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

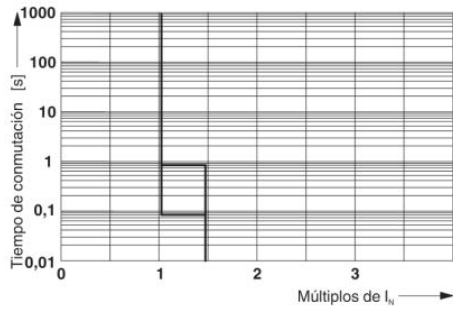
Tools		
1212124	CUTFOX-FBS	Cutting tool , for separating individual jumper bars from FBS ... plug-in bridges and EB ... insertion bridges

Additional products

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

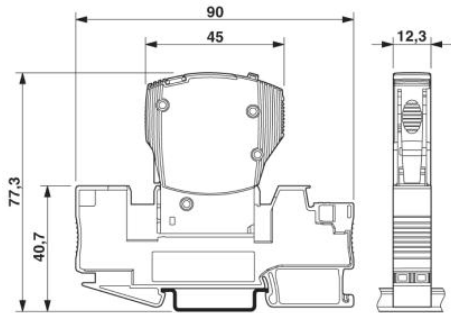
Drawings

Diagram



Trigger characteristic

Dimensioned drawing



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

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