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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	1 STK
GTIN	4 046356 690645
GTIN	4046356690645
Weight per Piece (excluding packing)	35.900 g
Custom tariff number	85362010
Country of origin	Germany

Technical data

Dimensions

Height	45 mm
Width	12.3 mm
Depth	52 mm
Complete module height	90 mm
Complete module width	12.3 mm
Complete module depth	77.3 mm

Ambient conditions



Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C 50 °C (non-condensing)
Ambient temperature (storage/transport)	-40 °C 70 °C
Humidity test	96 h, 95% RH, 40°C
Vibration (operation)	3g (In accordance with IEC 60068-2-6, Test Fc)
Degree of protection	IP30 (Actuation area)

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.	
Flammability rating according to UL 94	V0	
Mounting type	on base element	
Color	gray	
Number of positions	1	
Degree of pollution	2	
Туре	Male	

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	1 A
Active current limitation	typ. 1.25 x I _N
Closed circuit current I ₀	typ. 8 mA (When switched on)
	typ. 17 mA (With alarm output)
Power dissipation	0.55 W (Nominal operation)
Temperature derating	1 A (at 50 °C)
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)
Contact type	without electrical isolation
Shutdown time load circuit	800 ms (see time/current characteristic curve)
Undervoltage shutdown load circuit	< 14 V (typ. OFF)
	> 17 V (typ. ON)
Max. capacitive load load circuit	20000 µF
Auxiliary type of contact	floating signal contact
Minimum auxiliary contact operating voltage	10 V DC
Maximum auxiliary contact operating voltage	30 V DC



Technical data

Electrical data

Minimum auxiliary contact operating current	10 mA
Maximum auxiliary contact operating current	0.5 A

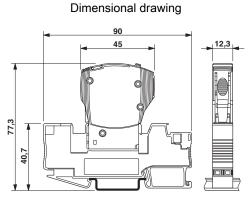
Standards and Regulations

Standards/specifications	UL 2367 UL recognized
	UL 508 UL/C-UL listed
	EMV EN 61000-6-3 Interference emission
	EMV EN 61000-6-2 Noise immunity

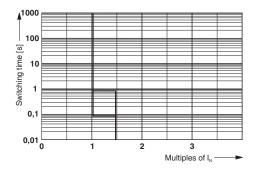
Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

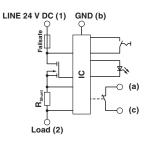


Diagram

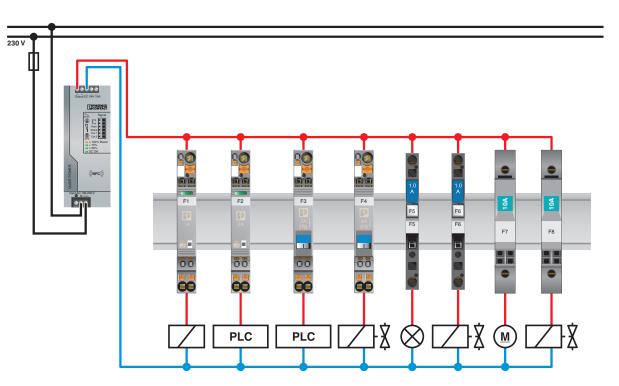


The figure shows the complete module consisting of a base element and Trigger characteristic connector

Circuit diagram







Application drawing

Approvals

Approvals

Approvals

UL Recognized / GL / UL Listed / cUL Listed / EAC / EAC / cULus Listed

Ex Approvals

Approval details

UL Recognized



http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 317172



Approvals

GL	GL	http://exchange.dnv.com/tari/	61533-13 HH
UL Listed	LISTED	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
cUL Listed	C UL LISTED	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
EAC	EAC		EAC-Zulassung
EAC	EAC		RU C- DE.A*30.B01561
cULus Listed	CUL LISTED		

Accessories

Accessories

Bridge

Jumper - CB PT BRIDGE - 2801014



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

Jumper - CB RC BRIDGE - 2801616



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



Accessories

Cutting tools

Front cutter - CUTFOX-FBS - 1212124



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

Jumper

Plug-in bridge - FBS 2-6 - 3030336



Plug-in bridge, pitch: 6.2 mm, width: 10.7 mm, number of positions: 2, color: red

Plug-in bridge - FBS 3-6 - 3030242



Plug-in bridge, pitch: 6.2 mm, width: 16.9 mm, number of positions: 3, color: red

Plug-in bridge - FBS 4-6 - 3030255



Plug-in bridge, pitch: 6.2 mm, width: 23.1 mm, number of positions: 4, color: red

Plug-in bridge - FBS 5-6 - 3030349



Plug-in bridge, pitch: 6.2 mm, width: 29.3 mm, number of positions: 5, color: red

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Accessories

Plug-in bridge - FBS 10-6 - 3030271



Plug-in bridge, pitch: 6.2 mm, width: 60.3 mm, number of positions: 10, color: red

Plug-in bridge - FBS 20-6 - 3030365



Plug-in bridge, pitch: 6.2 mm, width: 122.3 mm, number of positions: 20, color: red

Plug-in bridge - FBS 50-6 - 3032224



Plug-in bridge, pitch: 6.2 mm, width: 308.3 mm, number of positions: 50, color: red

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 size: 5.15 x 12.15 mm

Terminal marking

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



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into flat marker groove, for terminal block width: 12 mm, lettering field size: 5.15 x 12.15 mm

Necessary add-on products



Accessories

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



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

Base element - CB 1/10-1/10 UT-BE - 2801305



Base element with screw connection technology for CB... device circuit breakers

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