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

Why buy this product

- Modular expansion possible thanks to the uniform, plug-in housing concept
- Sophisticated remote signaling concept enables monitoring from any location
- 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
Weight per Piece (excluding packing)	40.000 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
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	4 A
Active current limitation	typ. 1.25 x I _N
Closed circuit current I ₀	typ. 8 mA (When switched on)
	typ. 11 mA (With status output)
Power dissipation	0.66 W (Nominal operation)
Temperature derating	4 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	100 mV (at I _N)
Contact type	without electrical isolation
Shutdown time load circuit	200 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
Output voltage status output	24 V DC



Technical data

Electrical data

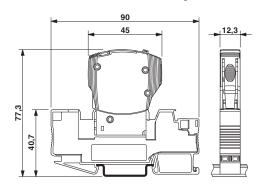
Output current status output	max. 0.2 A (Short-circuit-proof)
Input voltage reset input	max. 30 V DC
Current consumption reset input	typ. 2.6 mA (at 24 V DC)
Auxiliary type of contact	Positive-switching signal output

Standards and Regulations

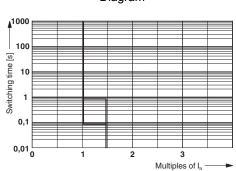
Standards/specifications	UL 2367 UL recognized
	UL 508 UL/C-UL listed
	EMV EN 61000-6-3 Interference emission
	EMV EN 61000-6-2 Noise immunity

Drawings

Dimensional drawing



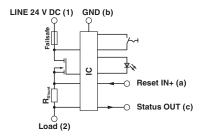
Diagram



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

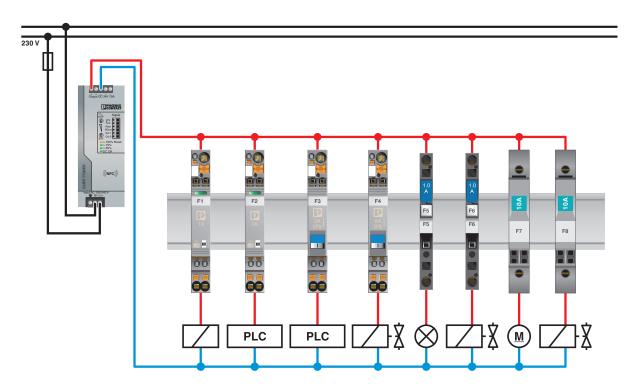
Trigger characteristic

Circuit diagram





Application drawing



Classifications

eCl@ss

eCl@ss 4.0	27141116
eCl@ss 4.1	27141116
eCl@ss 5.0	27141116
eCl@ss 5.1	27141116
eCl@ss 6.0	27141116
eCl@ss 7.0	27141116
eCl@ss 8.0	27141116
eCl@ss 9.0	27141116

ETIM

ET	TIM 3.0	EC000899
ET	ΓIM 4.0	EC000899
ET	ΓΙΜ 5.0	EC000899



Classifications

ETIM 6.0	EC000899	
UNSPSC		
UNSPSC 6.01	30211812	
UNSF 3C 0.01	30211012	
UNSPSC 7.0901	39121411	
UNSPSC 11	39121411	
UNSPSC 12.01	39121411	
UNSPSC 13.2	39121410	

Approvals

Approvals

Approvals

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

Ex Approvals

Approval details

cUL Listed

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

GL http://exchange.dnv.com/tari/ 61533-13 HH

UL Listed http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 140324

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

FILE E 140324



Approvals

EAC

EHE

RU C-DE.A*30.B01561

cULus 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

Cutting tools

Front cutter - CUTFOX-FBS - 1212124



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

Jumper



Accessories

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

Plug-in bridge - FBS 10-6 - 3030271



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



Accessories

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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