Electronic device circuit breaker - ECP-E 8A - 0900812

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Electronic device circuit breaker, Number of positions: 1, Connection method: Screw connection, Width: 12.5 mm, Fuse type: Electronic, Fuse type: Automatic device, Mounting type: On base element, Color: black

Why buy this product

- Can be plugged onto TMCP SOCKET M base
- Design width of just 12.5 mm
- The operating or error state is indicated by a multi-color LED as well as an integrated status output (12)

Key Commercial Data

Packing unit	1 STK
Custom tariff number	85362010
Country of origin	Germany

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 circuit breakers is not permitted.
Mounting type	On base element
Color	black
Number of positions	1
Overvoltage category	II
Insulating material	PA66/6
Flammability rating according to UL 94	V0

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Technical data

Electrical data

Fuse	Electronic
Fuse type	Automatic device
Rated surge voltage	0.5 kV
Operating voltage	24 V DC
	24 V DC ()
	18 V DC ... 32 V DC
Nominal current I_N	8 A
Required backup fuse	not required, integrated failsafe element
Dielectric strength	max. 32 V DC (Load circuit)
Degree of pollution	2
Overvoltage category	II
Insulating material group	I
Switching capacity I_{CN}	Active current limitation
Closed-circuit current range I0	typ. 25 mA ±5 mA (When switched on)

Dimensions

Height	60 mm
Width	12.5 mm
Depth	70 mm
Height NS 35/7,5	144 mm
Height NS 35/15	151.5 mm
Complete module height	115 mm
Complete module width	38 mm
Complete module depth	112.5 mm

Ambient conditions

Degree of protection	IP30 (Actuation area)
Ambient temperature (operation)	0 °C ... 50 °C (non-condensing)

Connection data

Connection method	Screw connection

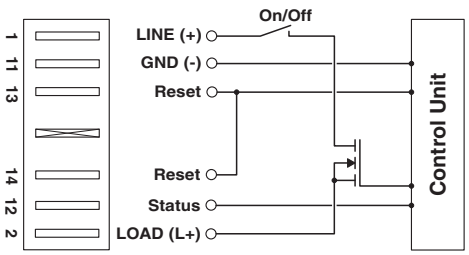
Standards and Regulations

Standards/specifications	UL 2367
	UL 508
	CSA 22.2 No. 14

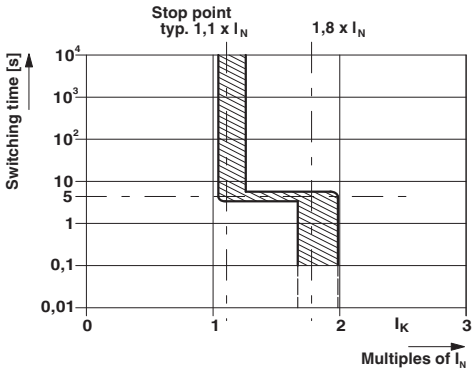
Drawings

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Block diagram



Diagram



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

ETIM 2.0	EC000899
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

Approvals

UL Recognized / EAC

Ex Approvals

CSA

Approvals submitted

Approval details

UL Recognized

EAC

Accessories

Accessories

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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Accessories

Zack marker strip - ZB 6/WH-100:UNBEDRUCKT - 5060935



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Additional products

Box mounting base - TMCP SOCKET M - 0916589



Modular socket element, 2-position, for holding two circuit breakers, each with a single position

End cover - TMCP CONNECT LR - 0916592



End cover, Length: 115 mm, Width: 6 mm, Color: black

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