Electronic device circuit breaker - ECP-E3 10A - 0912050

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The figure shows the ECP-E3 1A version

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

- Includes the advantages of current limitation
- Sufficient supply of all error-free load circuits
- Output voltage of switched-mode power supply unit remains stable
- In addition, the ECP-E2 can be controlled remotely by the control input (12), e.g., by means of a PLC
- Application - all aspects of the switched-mode power supply unit
- Responds faster than switched-mode power supply unit to overload and short circuit

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

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Technical data

General

Number of positions	1
Overvoltage category	II
Insulating material	PA66/6
Flammability rating according to UL 94	V0

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	10 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

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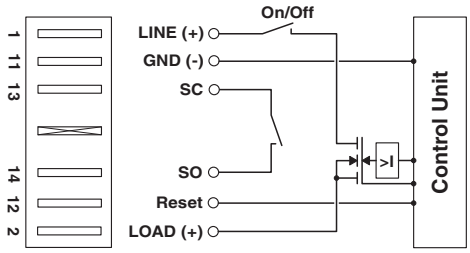
Technical data

Standards and Regulations

	UL 508
	CSA 22.2 No. 14

Drawings

Block 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

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Approvals

Approvals

Approvals

UL Recognized / EAC / EAC

Ex Approvals

CSA

Approvals submitted

Approval details

UL Recognized

EAC

EAC

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