

## Electronic device circuit breaker - ECP-E 2A - 0900210

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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

### Your advantages

- ✔ 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	5 pc
GTIN	
GTIN	4046356103992

### 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

#### Electrical data

Fuse	electronic
Fuse type	Automatic device

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## Technical data

### Electrical data

Rated surge voltage	0.5 kV
Operating voltage	24 V DC
	24 V DC (at 50 °C (UL 2367, UL 508, ANSI/ISA 12.12.01))
	18 V DC ... 32 V DC
Nominal current $I_N$	2 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 $I_0$	typ. 25 mA $\pm$ 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
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### Standards and Regulations

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

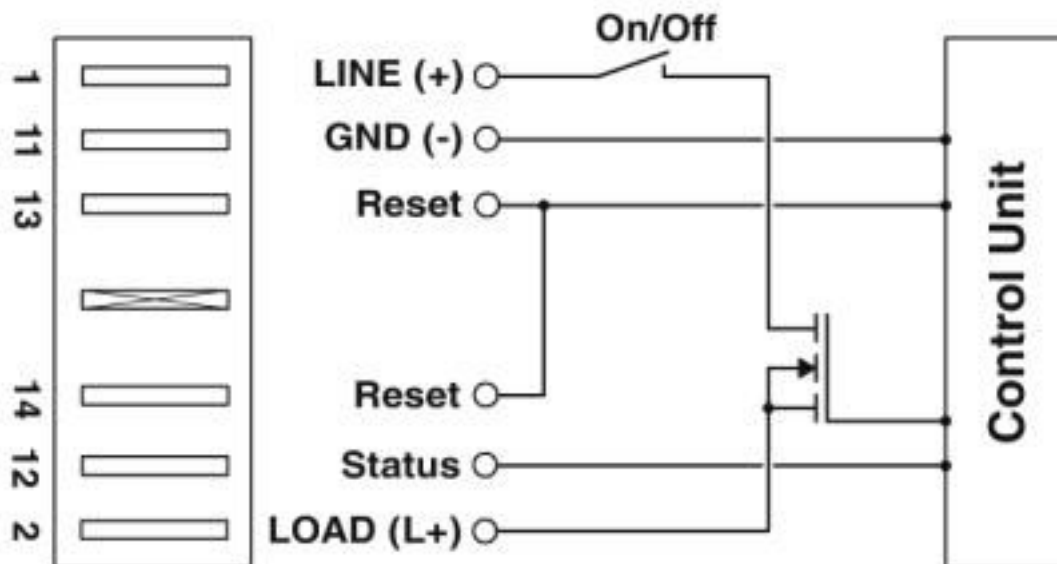
### Environmental Product Compliance

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

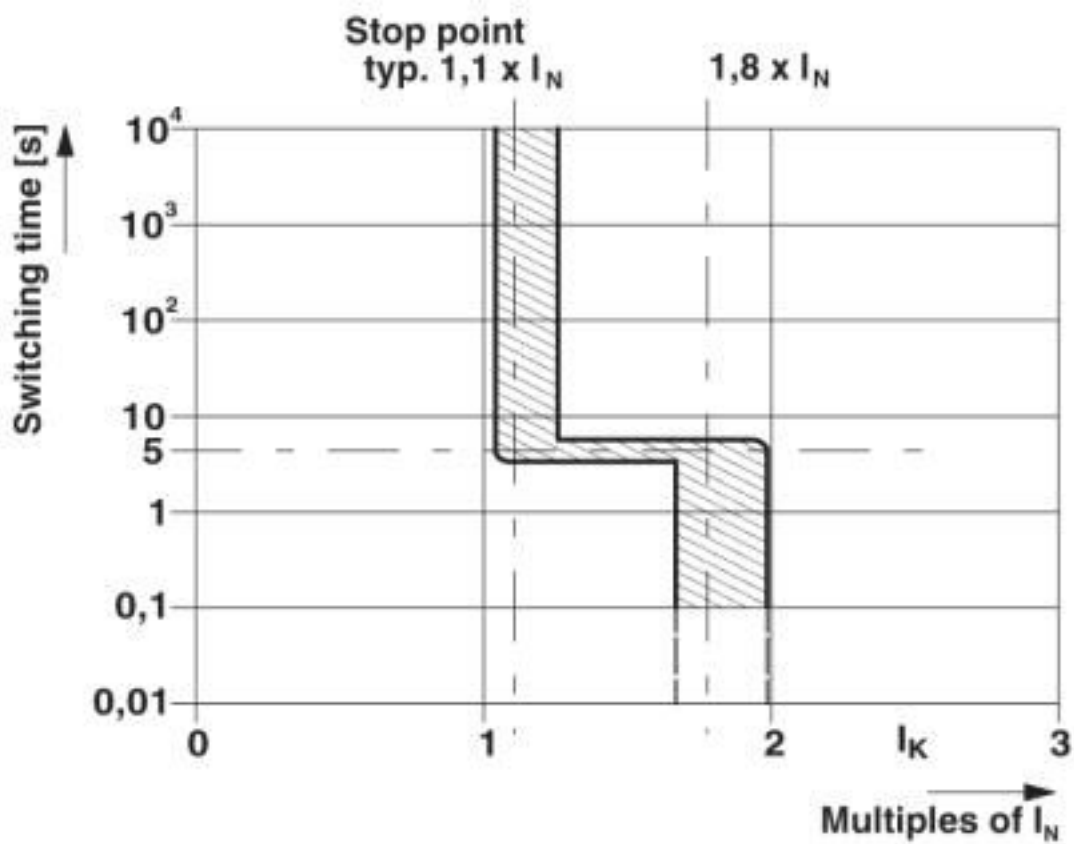
## Drawings

# Electronic device circuit breaker - ECP-E 2A - 0900210

Block diagram



Diagram



# Electronic device circuit breaker - ECP-E 2A - 0900210

## Classifications

### eCl@ss

eCl@ss 10.0.1	27140401
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
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
ETIM 6.0	EC000899
ETIM 7.0	EC000899

### UNSPSC

UNSPSC 6.01	30211812
UNSPSC 7.0901	39121411
UNSPSC 11	39121411
UNSPSC 12.01	39121411
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

## Approvals

### Approvals

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Approvals

UL Recognized

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Ex Approvals

UL Recognized / CSA

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### Approval details

# Electronic device circuit breaker - ECP-E 2A - 0900210

## Approvals

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 317172
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## 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: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

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



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

## Additional products

Box mounting base - TMCP SOCKET M - 0916589



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

## Electronic device circuit breaker - ECP-E 2A - 0900210

### Accessories

End cover - TMCP CONNECT LR - 0916592



End cover, width: 6 mm, Color: black

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