

## 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)

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 5 pc                                                                                                    |
| GTIN         | <br>4 046356 103992 |
| 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 |
|-------------------|------------------|

### Standards and Regulations

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

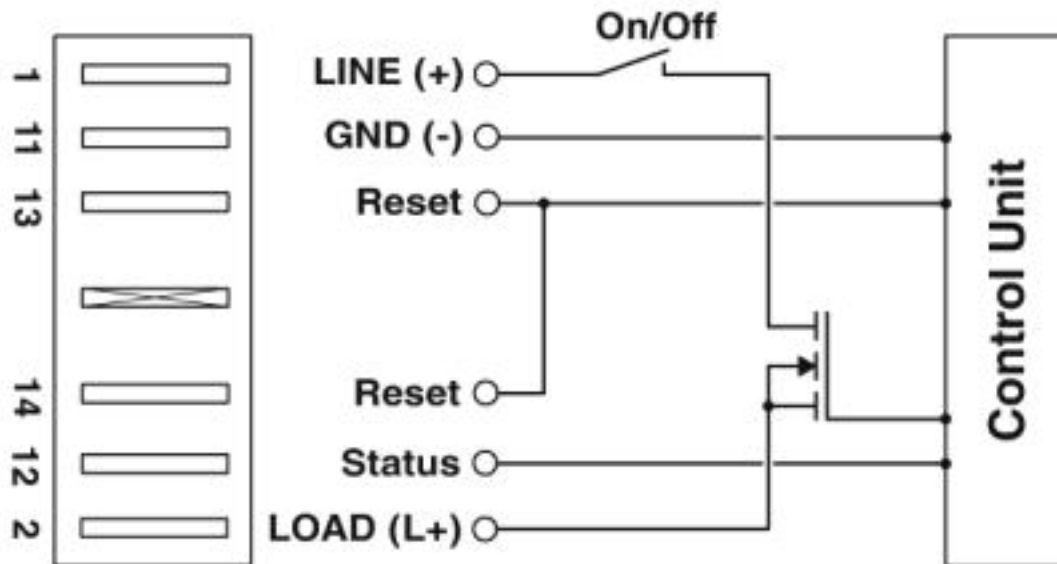
### Environmental Product Compliance

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

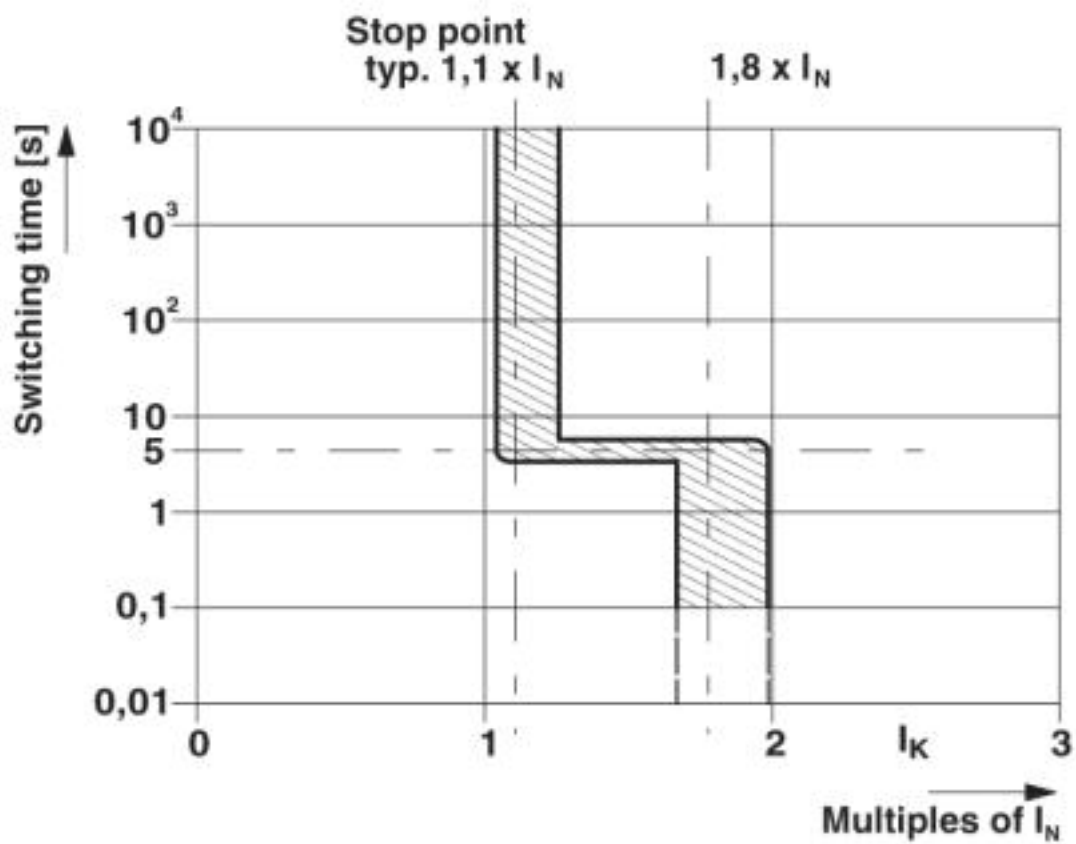
## Drawings

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

Block diagram



Diagram



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

### Approvals

#### Approvals

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#### Approvals

UL Recognized / EAC / EAC

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#### Ex Approvals

UL Recognized / CSA

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#### Approval details

UL Recognized



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

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EAC



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EAC



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