

Electronic circuit breaker - ECP-E3 6A - 0912046

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Electronic 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

- Error-free short-circuit detection even across long cable paths with the electronics characteristic curve
- Active current limitation to improve the capacity of the upstream power supply
- Increased system transparency with integrated floating remote indication contact (N/O)
- Remote reconnection with the reset function



Key Commercial Data

| | |
|--------------------------------------|---------------|
| Packing unit | 1 pc |
| GTIN | |
| GTIN | 4046356144254 |
| Weight per Piece (excluding packing) | 44.000 g |
| 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. |
| Number of levels | 1 |

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Technical data

General

| | |
|--|-----------------|
| 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 |
| 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 | 6 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 _O | 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 |
|-------------------|------------------|

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Technical data

Standards and Regulations

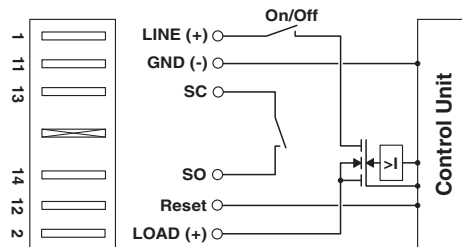
| | |
|--------------------------|-----------------|
| Standards/specifications | UL 2367 |
| | UL 508 |
| | CSA 22.2 No. 14 |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 25; |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Block diagram



Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27140401 |
| eCl@ss 11.0 | 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 9.0 | 27141116 |

ETIM

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|----------|----------|
| ETIM 2.0 | EC000899 |
| ETIM 3.0 | EC000899 |
| ETIM 4.0 | EC000899 |
| ETIM 6.0 | EC000899 |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 7.0 | EC000899 |
|----------|----------|

UNSPSC

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|---------------|----------|
| 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


Approvals

UL Recognized

Ex Approvals

UL Recognized / CSA

Approval details

| | | | |
|---------------|---|---|---------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 317172 |
|---------------|---|---|---------------|
