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Electronic circuit breaker, signal contact: 1 N/C contact, nominal current: 10 A

Your advantages

- ☑ Selective protection of all 24 V DC load circuits at switched-mode power supply units
- ☑ A combination of active electronic current limitation in the event of short circuit and overload shutdown ensures that the circuit breaker can respond to overloads faster than the switched-mode power supply unit
- The residual current is always limited to 1.3 1.8 times the nominal current



Key Commercial Data

| Packing unit | 6 pc |
|--------------|-----------------|
| GTIN | 4 046356 328135 |
| GTIN | 4046356328135 |

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 | DIN rail: 35 mm | |
| Color | black | |
| 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 |



Technical data

Electrical data

| | 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 |
| Switching capacity I _{CN} | Active current limitation |
| Closed-circuit current range I0 | typ. 25 mA ±5 mA (When switched on) |

Dimensions

| Height | 83 mm |
|------------------|---------|
| Width | 12.5 mm |
| Depth | 80 mm |
| Height NS 35/7,5 | 83 mm |
| Height NS 35/15 | 90.5 mm |

Ambient conditions

| Degree of protection | IP20 (Housing) |
|---------------------------------|-----------------------------|
| Ambient temperature (operation) | 0 °C 50 °C (non-condensing) |

Connection data

| Conductor cross section solid min. | 0.5 mm² | |
|---|-----------------------|--|
| Conductor cross section solid max. | 16 mm ² | |
| Conductor cross section flexible min. | 0.5 mm ² | |
| Conductor cross section flexible max. | 16 mm² | |
| Conductor cross section AWG min. | 20 | |
| Conductor cross section AWG max. | 6 | |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm² | |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 10 mm ² | |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm ² | |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 10 mm ² | |
| 2 conductors with same cross section, solid min. | 0.5 mm² | |
| 2 conductors with same cross section, solid max. | 4 mm² | |
| 2 conductors with same cross section, stranded min. | 0.5 mm ² | |
| 2 conductors with same cross section, stranded max. | 4 mm² | |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm ² | |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 2.5 mm ² | |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² | |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm ² | |
| Connection method | Screw connection | |
| Stripping length | 10 mm | |
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Technical data

Connection data

| Screw thread | M4 |
|-----------------------|--------|
| Tightening torque max | 1.2 Nm |

Standards and Regulations

| Standards/specifications | UL 508 |
|--------------------------|------------------|
| | CSA 22.2 No. 14 |
| | UL 2367 |
| | CSA 22.2 No. 142 |
| | CSA 22.2 No. 213 |
| | UL 1604 |

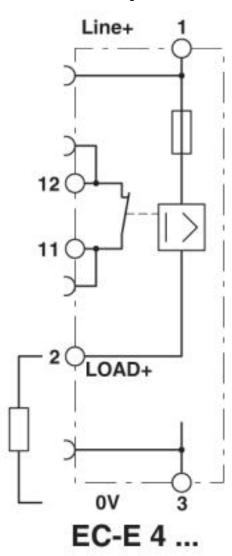
Environmental Product Compliance

| | 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







Approvals

Approvals

Approvals

DNV GL / UL Listed / UL Recognized / cUL Listed / EAC / cULus Listed

Ex Approvals

UL Recognized / CSA

Approval details



Approvals

| DNV GL | TW/ SD | https://approvalfinder.dnvgl.com/ | TAE00002HC |
|---------------|---------------|---|-------------------------|
| | | | |
| UL Listed | UL) LISTED | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
| | | | |
| UL Recognized | <i>9</i> .1 | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 317172 |
| | | | |
| cUL Listed | CUL | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 140324 |
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| EAC | EAC | | RU C- DE.A*30.B01546 |
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| cULus Listed | C UL US | | |

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