

Electronic device circuit breaker - ECP 6 - 0912033

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Electronic device circuit breaker, 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

- Can be plugged onto TMCP SOCKET M base
- Design width of just 12.5 mm
- Capacitive loads can be switched on and loads are only switched off in the event of an overload or short circuit
- Operating or error state indicated by LED and integrated signal contacts
- Selective protection of all 24 V DC load circuits at switched-mode power supply units
- Combination of active electronic current limitation and proven circuit breaker technology including electrical isolation
- Residual current always limited to 1.8 times the nominal current



Key commercial data

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|--------------------------------------|---|
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| GTIN |  4 046356 092050 |
| Weight per Piece (excluding packing) | 69.6 g |
| Custom tariff number | 85362010 |
| Country of origin | Germany |

Technical data

General

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|---|--|
| 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). Parallel connection of multiple load outputs is not permitted. |
| Mounting type | On base element |
| Color | black |
| Surge voltage category | II |
| Insulating material | PPS |
| Inflammability class according to UL 94 | V0 |

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Technical data

Electrical data

| | |
|------------------------------|---|
| Fuse | Electronic |
| Fuse type | Automatic device |
| Rated surge voltage | 0.5 kV |
| Operating voltage | 24 V DC |
| | 18 V DC ... 32 V DC |
| Nominal current I_N | 6 A |
| Required backup fuse | not required, integrated failsafe element |
| Dielectric strength | 1000 V AC (Actuation area) |
| | 500 V AC (Installation area) |
| | 500 V AC (Load circuit signal contact) |
| Pollution degree | 2 |
| Surge voltage category | II |
| Insulating material group | IIIa |
| Switching capacity I_{CN} | Active current limitation |
| Closed circuit current I_0 | typ. 13 mA |

Dimensions

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|------------------------|----------|
| 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 | 147.5 mm |

Ambient conditions

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|---------------------------------|---------------------------------|
| Degree of protection | IP30 (Actuation area) |
| Ambient temperature (operation) | 0 °C ... 50 °C (non-condensing) |

Connection data

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|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

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 |

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Classifications

ETIM

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|----------|----------|
| ETIM 2.0 | EC000899 |
| ETIM 3.0 | EC000899 |
| ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |

UNSPSC

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|---------------|----------|
| UNSPSC 6.01 | 30211812 |
| UNSPSC 7.0901 | 39121411 |
| UNSPSC 11 | 39121411 |
| UNSPSC 12.01 | 39121411 |
| UNSPSC 13.2 | 39121411 |

Approvals

Approvals

Approvals

UL Recognized / VDE Zeichengenehmigung / EAC

Ex Approvals

Approvals submitted

Approval details

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|---|
| UL Recognized  |
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| VDE Zeichengenehmigung  |
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| EAC |
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Accessories

Additional products

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Accessories

Box mounting base - TMCP SOCKET M - 0916589



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

End cover - TMCP CONNECT LR - 0916592



End cover, Length: 115 mm, Width: 6 mm, Color: black

Drawings

Block diagram

