



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Electronic device circuit breaker - ECP 4 - 0912034

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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
- Selective protection of all 24 V DC load circuits at switched-mode power supply units
- 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
- Residual current always limited to 1.8 times the nominal current
- Combination of active electronic current limitation and proven circuit breaker technology including electrical isolation



Key Commercial Data

| | |
|------------------------|----------|
| Packing unit | 1 STK |
| Minimum order quantity | 5 STK |
| 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). Parallel connection of multiple load outputs is not permitted. |
| Mounting type | On base element |
| Color | black |

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Technical data

General

| | |
|--|-----|
| Overvoltage category | II |
| Insulating material | PPS |
| 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 |
| | 18 V DC ... 32 V DC |
| Nominal current I_N | 4 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) |
| Degree of pollution | 2 |
| Overvoltage category | II |
| Insulating material group | IIIa |
| Switching capacity I_{CN} | Active current limitation |
| Closed circuit current I_0 | typ. 13 mA |

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 | 147.5 mm |

Ambient conditions

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

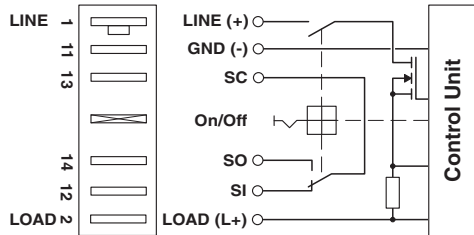
Connection data

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

Drawings

Electronic device circuit breaker - ECP 4 - 0912034

Block diagram



Circuit diagram

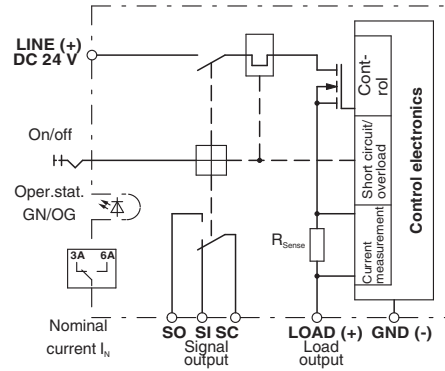


Diagram drawing

- 1 = Selective circuit breaker
- 2 = Socket termination element
- 3 = Modular socket element
- 4 = Socket termination element

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 |
| eCl@ss 8.0 | 27141116 |
| eCl@ss 9.0 | 27141116 |

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Classifications

ETIM

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

UNSPSC

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

Approvals

Approvals


Approvals

VDE Zeichengenehmigung / EAC / EAC

Ex Approvals

Approvals submitted

Approval details

VDE Zeichengenehmigung 

EAC

EAC

Accessories

Additional products

Electronic device circuit breaker - ECP 4 - 0912034

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
