

## Electronic device circuit breaker - ECP 4 - 0912034

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Electronic device circuit breaker, number of positions: 1, connection method: pluggable, 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
- ✓ 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                         | 5 pc                                                                                                    |
| Minimum order quantity               | 5 pc                                                                                                    |
| GTIN                                 | <br>4 046356 174602 |
| GTIN                                 | 4046356174602                                                                                           |
| Weight per Piece (excluding packing) | 70.600 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). Parallel connection of multiple load outputs is not permitted. |
| Number of levels          | 1                                                                                                                                                                                                                                                                  |
| Mounting type             | on base element                                                                                                                                                                                                                                                    |

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## Technical data

### General

|                                        |       |
|----------------------------------------|-------|
| Color                                  | black |
| Number of positions                    | 1     |
| 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 | pluggable |
|-------------------|-----------|

### Environmental Product Compliance

|            |                                          |
|------------|------------------------------------------|
| REACH SVHC | Lead 7439-92-1                           |
| China RoHS | Environmentally Friendly Use Period = 50 |

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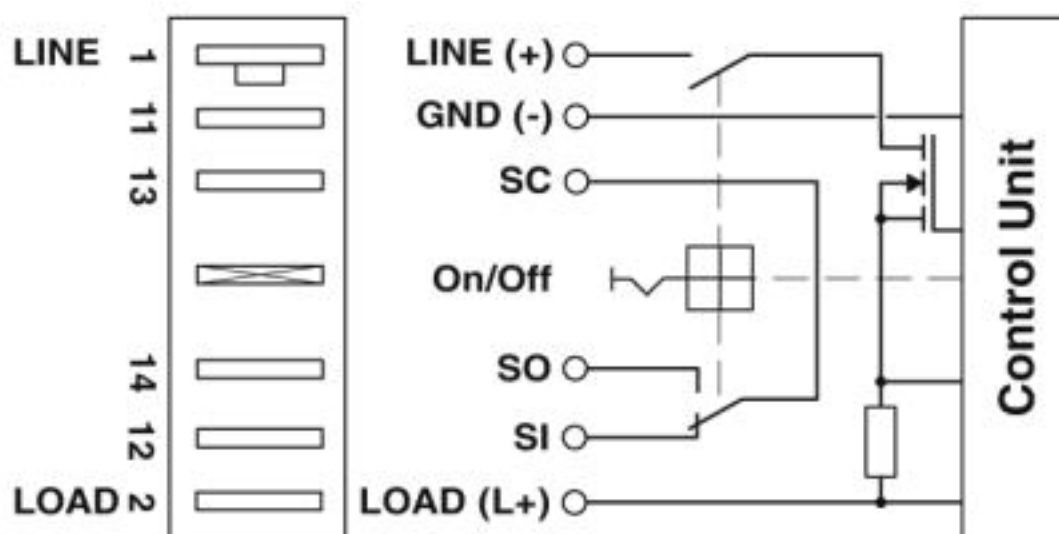
### Technical data

### Environmental Product Compliance

For details about hazardous substances go to tab "Downloads",  
Category "Manufacturer's declaration"

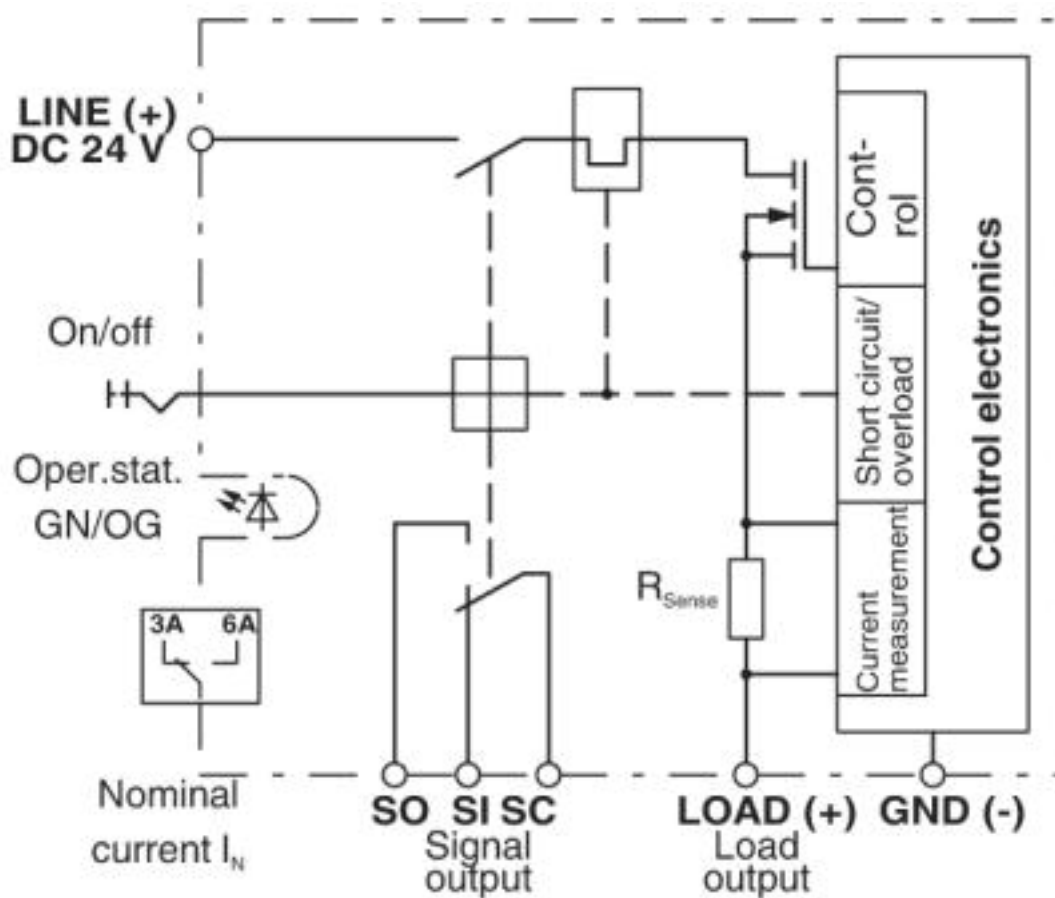
### Drawings

Block diagram



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Circuit diagram



### Classifications

eCl@ss

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

ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000899 |
| ETIM 3.0 | EC000899 |
| ETIM 4.0 | EC000899 |
| ETIM 5.0 | EC000899 |
| ETIM 6.0 | EC000899 |

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### Classifications

#### ETIM

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

#### UNSPSC

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

VDE Zeichengenehmigung / EAC / EAC / UL Recognized

#### Ex Approvals

#### Approval details

|                        |                                                                                     |                                                                                                                                                                                                           |          |
|------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| VDE Zeichengenehmigung |  | <a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a> | 40030007 |
|------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|

|     |                                                                                     |               |
|-----|-------------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-------------------------------------------------------------------------------------|---------------|

|     |                                                                                     |                         |
|-----|-------------------------------------------------------------------------------------|-------------------------|
| EAC |  | RU C-<br>DE.A*30.B01546 |
|-----|-------------------------------------------------------------------------------------|-------------------------|

|               |                                                                                     |                                                                                                                                                       |               |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 140459 |
|---------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|

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### Accessories

#### Additional products

Box mounting base - TMCP SOCKET M - 0916589



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

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End cover - TMCP CONNECT LR - 0916592



End cover, width: 6 mm, Color: black

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