# EC 1 12DC/2A S-R - Electronic circuit breaker

3000761

https://www.phoenixcontact.com/us/products/3000761

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Electronic circuit breaker, reset input and status output, nominal current: 2 A

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 3000761 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | CL04 |
| Product key | CLA131 |
| GTIN | 4046356708555 |
| Weight per piece (including packing) | 71.56 g |
| Weight per piece (excluding packing) | 68.1 g |
| Customs tariff number | 85362010 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Device circuit breakers |
| Product family | EC-E |
| Type | DIN rail module, one-piece |
| Number of positions | 1 |

### Electrical properties

| | |
|---|---|
| Maximum load current | 2 A (100 % Duty Cycle, 40 °C) |
| | 2 A (100 % Duty Cycle, 50 °C) |
| Service life electrical | 10000 |

General

| | |
|---|---|
| Fuse | electronic |

### Connection data

| | |
|---|---|
| Maximum load current | 2 A (100 % Duty Cycle, 40 °C) |
| | 2 A (100 % Duty Cycle, 50 °C) |

Line+ / LOAD+ /0V

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M4 |
| Tightening torque | 1.5 ... 1.8 Nm |
| Stripping length | 10 mm |
| Conductor cross-section rigid | 0.5 mm² ... 10 mm² |
| Conductor cross-section flexible | 0.5 mm² ... 10 mm² |
| 2 conductors with same cross section, rigid | 0.5 mm² ... 4 mm² |
| 2 conductors with same cross section, flexible | 0.5 mm² ... 4 mm² |
| Nominal current | 2 A |
| Nominal voltage | 12 V DC |

Signal connections

| | |
|---|---|
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.5 ... 0.6 Nm |
| Conductor cross-section flexible | 0.25 mm² ... 2.5 mm² |

### Dimensions

| | |
|---|---|
| Width | 12.5 mm |
| Height | 80 mm |

### Material specifications

| | |
|---|---|
| Color | black (RAL 9005) |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -20 °C ... 60 °C (ordinary locations) |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

## Mounting

| | |
|---|---|
| Mounting type | DIN rail: 35 mm |

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/3000761

**UL Recognized**
Approval ID: FILE E 317172

**DNV GL**
Approval ID: TAE00002HC

**cULus Recognized**
Approval ID: E123528

**cULus Listed**
Approval ID: E123528

**UL Recognized**
Approval ID: FILE E 324415

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27140401 |
| ECLASS-15.0 | 27140401 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC003538 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## Environmental product compliance

EU RoHS

| | |
|---|---|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 6(c), 7(a), 7(c)-I |

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-25 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 7c47888a-d7b8-4786-b5ed-d184abc50e36 |


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