

# EC 1 12DC/6A S-C - Electronic circuit breaker

3000758

<https://www.phoenixcontact.com/us/products/3000758>

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Electronic circuit breaker, on/off control input, nominal current: 6 A

## Commercial data

Item number	3000758
Packing unit	6 pc
Minimum order quantity	6 pc
Sales key	CL04
Product key	CLA131
GTIN	4046356708517
Weight per piece (including packing)	67.66 g
Weight per piece (excluding packing)	67.66 g
Customs tariff number	85362010
Country of origin	DE

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## Technical data

### Product properties

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

### Electrical properties

Maximum load current	6 A (100% duty cycle, 40°C)
	5 A (100% duty cycle, 50°C)
Service life electrical	10000

### General

Fuse	electronic
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### Connection data

Maximum load current	6 A (100% duty cycle, 40°C)
	5 A (100% duty cycle, 50°C)

### Line+ / LOAD+ /0V

Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	10 mm
Conductor cross section rigid	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 10 mm <sup>2</sup>
2 conductors with same cross section, solid	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Nominal current	6 A
Nominal voltage	12 V DC

### Signal connections

Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Conductor cross section flexible	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>

### Dimensions

Width	12.5 mm
Height	80 mm

### Material specifications

Color	black (RAL 9005)
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### Environmental and real-life conditions

#### Ambient conditions

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

## Mounting

Mounting type	DIN rail: 35 mm
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3000758>



**cUL Recognized**  
Approval ID: FILE E 140324



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



**DNV GL**  
Approval ID: TAE00002HC



**UL Recognized**  
Approval ID: FILE E 140324



**UL Listed**  
Approval ID: FILE E 140324



**cUL Listed**  
Approval ID: FILE E 140324



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

**cULus Listed**

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## Classifications

### ECLASS

ECLASS-11.0	27141116
ECLASS-12.0	27141116
ECLASS-13.0	27140401

### ETIM

ETIM 9.0	EC000899
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 25;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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