

# EC 1 12DC/3A S-C - Electronic circuit breaker



3000756

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Electronic circuit breaker, on/off control input, nominal current: 3 A

## Commercial data

Item number	3000756
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL04
Product key	CLA131
GTIN	4046356708494
Weight per piece (including packing)	74.075 g
Weight per piece (excluding packing)	74.075 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	3 A (100% duty cycle, 40°C)
	3 A (100% duty cycle, 50°C)
Service life electrical	10000

### General

Fuse	electronic
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### Connection data

Maximum load current	3 A (100% duty cycle, 40°C)
	3 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	3 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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