

## Electronic device circuit breaker - ECP-E3 8A - 0912048

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Electronic device circuit breaker, number of positions: 1, 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

- Includes the advantages of current limitation
- Output voltage of switched-mode power supply unit remains stable
- Sufficient supply of all error-free load circuits
- Application - all aspects of the switched-mode power supply unit
- In addition, the ECP-E2 can be controlled remotely by the control input (12), e.g., by means of a PLC
- Responds faster than switched-mode power supply unit to overload and short circuit



### Key Commercial Data

Packing unit	5 STK
GTIN	 4 046356 144261
GTIN	4046356144261

### 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). Special precautionary measures must be taken in systems or machines, to prevent components from restarting (e.g., use of a safety PLC). Parallel connection of multiple circuit breakers is not permitted.
Number of levels	1
Mounting type	on base element
Color	black
Number of positions	1
Overvoltage category_GRP	II
Insulating material	PA66/6

# Electronic device circuit breaker - ECP-E3 8A - 0912048

## Technical data

### General

Flammability rating according to UL 94	V0
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### Electrical data

Fuse	electronic
Fuse type	Automatic device
Rated surge voltage	0.5 kV
Operating voltage	24 V DC
	24 V DC (at 50 °C (UL 2367, UL 508, ANSI/ISA 12.12.01))
	18 V DC ... 32 V DC
Nominal current I <sub>N</sub>	8 A
Required backup fuse	not required, integrated failsafe element
Dielectric strength	max. 32 V DC (Load circuit)
Degree of pollution	2
Overvoltage category_GRP	II
Insulating material group	I
Switching capacity I <sub>CN</sub>	Active current limitation
Closed-circuit current range I <sub>0</sub>	typ. 25 mA ±5 mA (When switched on)

### 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	112.5 mm

### Ambient conditions

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

### Connection data

Connection method	Screw connection
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### Standards and Regulations

Standards/specifications	UL 2367
	UL 508
	CSA 22.2 No. 14

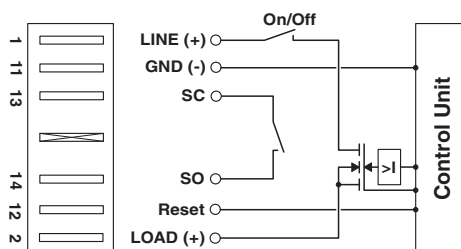
### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Drawings

# Electronic device circuit breaker - ECP-E3 8A - 0912048

Block diagram



## Approvals

### Approvals

Approvals

UL Recognized / EAC

Ex Approvals

CSA / UL Recognized

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	FILE E 317172
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EAC			RU C- DE.A*30.B01546
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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>