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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Electronic device circuit breaker - CB E1 24DC/10A S-C P - 2800928

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Electronic device circuit breaker, 1-pos., active current limitation, status output and control input, plug for base element.

## Why buy this product

- Compact design with precise nominal current levels
- Modular expansion possible thanks to the uniform, plug-in housing concept
- Sophisticated remote signaling concept enables monitoring from any location
- The control input can be switched by means of remote control
- Active current limitation, even when switching capacitive loads
- Supply/remote signaling can be bridged with CLIPLINE complete accessories



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 690843
GTIN	4046356690843

## Technical data

### Dimensions

Height	45 mm
Width	12.3 mm
Depth	52 mm

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 50 °C (non-condensing)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Humidity test	96 h, 95% RH, 40°C
Vibration (operation)	3g (In accordance with IEC 60068-2-6, Test Fc)
Degree of protection	IP30 (Actuation area)

### General

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## Technical data

### General

Flammability rating according to UL 94	V0
Mounting type	on base element
Color	gray
Number of positions	1
Degree of pollution	2
Type	Male

### Electrical data

Fuse type	electronic
Rated surge voltage	0.5 kV
Operating voltage	24 V DC
	18 V DC ... 30 V DC
Nominal current $I_N$	10 A
Rated insulation voltage $U_i$	30 V (Load circuit)
Active current limitation	typ. $1.25 \times I_N$
Closed circuit current $I_o$	typ. 8 mA (When switched on)
	typ. 11 mA (With status output)
Power dissipation	1.46 W (Nominal operation)
Temperature derating	9 A (at 50 °C)
Tripping method	E (electronic)
Required backup fuse	not required, integrated failsafe element
Dielectric strength	max. 30 V DC (Load circuit)
Voltage drop	120 mV (at $I_N$ )
Contact type	without electrical isolation
Shutdown time load circuit	80 ms (see time/current characteristic curve)
Undervoltage shutdown load circuit	< 14 V (typ. OFF)
	> 17 V (typ. ON)
Max. capacitive load load circuit	20000 $\mu$ F
Output voltage status output	24 V DC
Output current status output	max. 0.2 A (Short-circuit-proof)
Input voltage reset input	max. 30 V DC
Current consumption reset input	typ. 2.6 mA (at 24 V DC)
Auxiliary type of contact	Positive-switching signal output

### Standards and Regulations

Standards/specifications	UL 2367 UL recognized
	UL 508 UL/C-UL listed
	EMV EN 61000-6-3 Interference emission
	EMV EN 61000-6-2 Noise immunity

### Environmental Product Compliance

# Electronic device circuit breaker - CB E1 24DC/10A S-C P - 2800928

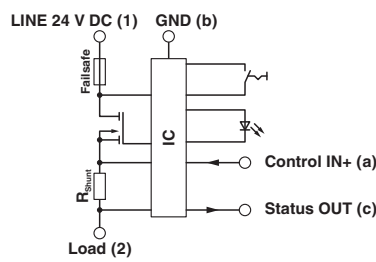
## Technical data

### Environmental Product Compliance

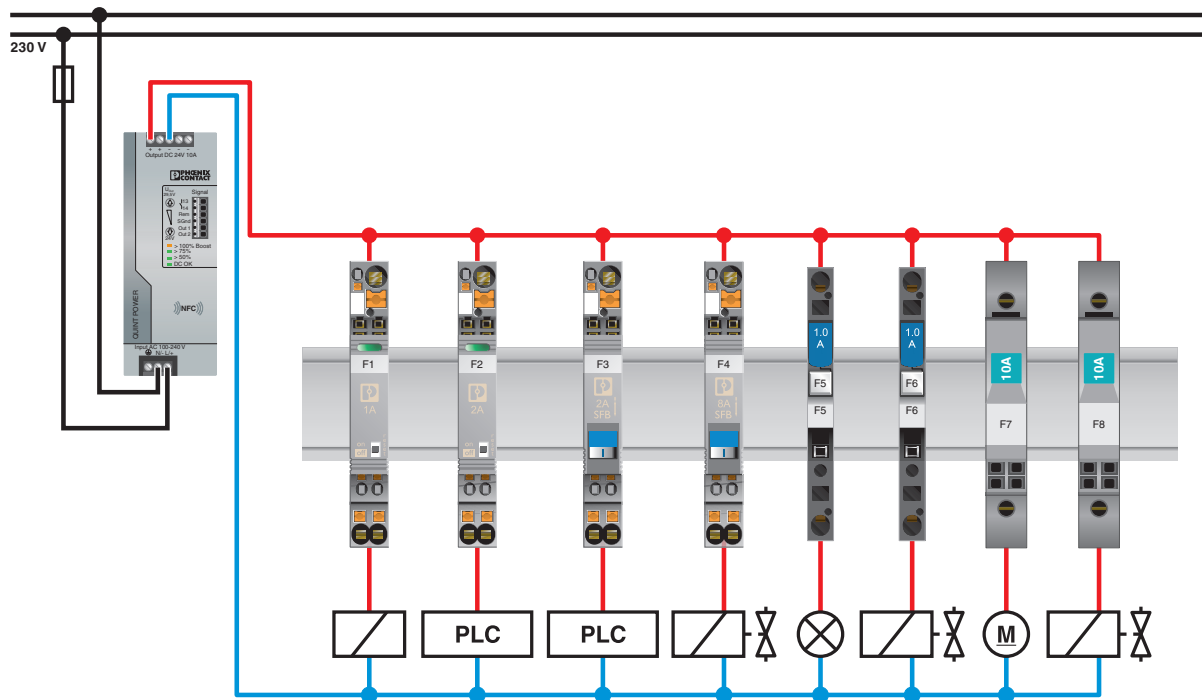
REACH SVHC	Lead 7439-92-1
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## Drawings

Circuit diagram



Application drawing



Approvals

Approvals

# Electronic device circuit breaker - CB E1 24DC/10A S-C P - 2800928

## Approvals

Approvals

UL Recognized / GL / UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

## Approval details

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 317172
GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	61533-13 HH
UL Listed		<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 140324
cUL Listed		<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 140324
EAC			RU C- DE.A*30.B01561
cULus Listed			

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