



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Electronic device circuit breaker - CB E1 24DC/10A S-R P - 2800914

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

The figure shows the CB E1
24DC/1A S-R P version

Product Features

- ✓ 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 reset 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 pc
Weight per Piece (excluding packing)	50.0 GRM
Custom tariff number	85362010
Country of origin	Germany

Technical data

Dimensions

Height	45 mm
Width	12.3 mm
Depth	52 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 50 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

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Technical data

Ambient conditions

Humidity test	96 h, 95% RH, 40°C
Degree of protection	IP30 (Actuation area)

General

Inflammability class according to UL 94	V0
Mounting type	On base element
Color	gray
Number of positions	1
Pollution degree	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)
Required backup fuse	not required, integrated failsafe element
Active current limitation	typ. $1.25 \times I_N$
Contact type	Without electrical isolation
Closed circuit current I_o	typ. 8 mA (When switched on)
	typ. 11 mA (With status output)
Tripping method	E (electronic)
Dielectric strength	max. 30 V DC (Load circuit)
Voltage drop	100 mV (at I_N)
Contact type	Without electrical isolation
Shutdown time load circuit	100 ms (see time/current characteristic curve)
Max. capacitive load load circuit	20000 μ 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 contact type	Positive-switching signal output

Standards and Regulations

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

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Technical data

Standards and Regulations

	EMV EN 61000-6-2 Noise immunity
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Classifications

eCl@ss

eCl@ss 4.0	27141116
eCl@ss 4.1	27141116
eCl@ss 5.0	27141116
eCl@ss 5.1	27141116
eCl@ss 6.0	27141116
eCl@ss 7.0	27141116

ETIM

ETIM 3.0	EC000899
ETIM 4.0	EC000899
ETIM 5.0	EC000899

UNSPSC

UNSPSC 6.01	30211812
UNSPSC 7.0901	39121411
UNSPSC 11	39121411
UNSPSC 12.01	39121411
UNSPSC 13.2	39121411

Approvals

Approvals

Approvals

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


Ex Approvals

Approvals submitted

Electronic device circuit breaker - CB E1 24DC/10A S-R P - 2800914

Approvals

Approval details

UL Recognized 

GL

UL Listed 

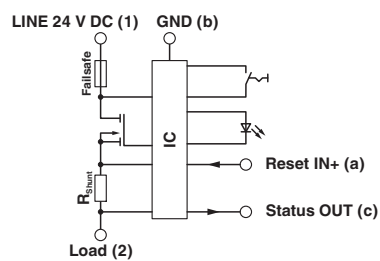
cUL Listed 

EAC

cULus Listed 

Drawings

Circuit diagram



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Application drawing

