![Chipsmall logo]

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

Electronic device circuit breaker - ECP-E2-12A - 0900207

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The illustration shows a version of the product

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

■ Sufficient supply of all error-free load circuits

■ Output voltage of switched-mode power supply unit remains stable

■ Responds faster than switched-mode power supply unit to overload and short circuit

■ 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

Key Commercial Data

Packing unit	1 STK
Custom tariff number	85363030
Country of origin	Germany

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.
Mounting type	On base element
Color	black
Number of positions	1
Overvoltage category	II
Insulating material	PA66/6
Flammability rating according to UL 94	V0

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Electronic device circuit breaker - ECP-E2-12A - 0900207

Technical data

Electrical data

Fuse	Electronic
Fuse type	Automatic device
Rated surge voltage	0.5 kV
Operating voltage	24 V DC
	24 V DC ()
	18 V DC ... 32 V DC
Nominal current I_N	12 A
Required backup fuse	not required, integrated failsafe element
Dielectric strength	max. 32 V DC (Load circuit)
Degree of pollution	2
Overvoltage category	II
Insulating material group	I
Switching capacity I_{CN}	Active current limitation
Closed-circuit current range I0	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

Standards and Regulations

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

Electronic device circuit breaker - ECP-E2-12A - 0900207

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
eCl@ss 8.0	27141116
eCl@ss 9.0	27141116

ETIM

ETIM 2.0	EC000899
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 / EAC

Ex Approvals

CSA

Approvals submitted

Approval details

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Electronic device circuit breaker - ECP-E2-12A - 0900207

Approvals

UL Recognized

EAC

Accessories

Accessories

Marker pen

Marker pen - X-PEN 0,35 - 0811228

Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

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Terminal marking

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003

Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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Zack marker strip - ZB 6/WH-100:UNBEDRUCKT - 5060935

Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

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Additional products

Electronic device circuit breaker - ECP-E2-12A - 0900207

Accessories

Box mounting base - TMCP SOCKET M - 0916589

Modular socket element, 2-position, for holding two circuit breakers, each with a single position

End cover - TMCP CONNECT LR - 0916592

End cover, Length: 115 mm, Width: 6 mm, Color: black