

Electronic device circuit breaker - CB E1 24DC/8A NO P - 2800906

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Electronic device circuit breaker, 1-pos., active current limitation, 1 N/O contact, plug for base element.

Your advantages

- ✓ 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
- ✓ N/O contact for remote signaling of the operating state
- ✓ 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
GTIN	 4 046356 690768
GTIN	4046356690768
Weight per Piece (excluding packing)	36.400 g
Custom tariff number	85362010
Country of origin	Germany
Sales Key	CLA134

Technical data

Dimensions

Height	45 mm
Width	12.3 mm
Depth	52 mm
Complete module height	90 mm
Complete module width	12.3 mm
Complete module depth	77.3 mm

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Ambient conditions

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

General

Flammability rating according to UL 94	V-0
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	8 A
Active current limitation	typ. 1.25 x I_N
Closed circuit current I_o	typ. 8 mA (When switched on)
	typ. 17 mA (With alarm output)
Power dissipation	1.21 W (Nominal operation)
Temperature derating	7.2 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	100 mV (at I_N)
Shutdown time load circuit	100 ms (see time/current characteristic curve)
Undervoltage switch-off load circuit	< 14 V (typ. OFF)
	> 17 V (typ. ON)
Max. capacitive load load circuit	20000 μ F
Auxiliary type of contact	floating signal contact
Minimum auxiliary contact operating voltage	10 V DC
Maximum auxiliary contact operating voltage	30 V DC
Minimum auxiliary contact operating current	10 mA
Maximum auxiliary contact operating current	0.5 A

Standards and Regulations

Standards/specifications	EMV EN 61000-6-3 Interference emission
	EMV EN 61000-6-2 Noise immunity

<https://www.phoenixcontact.com/gb/products/2800906>



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Conformance/approvals

Designation	UL approval
Identification	UL Listed UL 508
	UL Recognized UL 2367
Designation	Shipbuilding approval
Identification	DNV GL

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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