

Electronic device circuit breaker - CB E1 24DC/8A S-R P - 2800913

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Electronic device circuit breaker, 1-pos., active current limitation, status output and reset input, 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
- ✓ 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
GTIN	 4 046356 691000
GTIN	4046356691000
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

Ambient conditions

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

Electronic device circuit breaker - CB E1 24DC/8A S-R P - 2800913

Technical data

Ambient conditions

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
Rated insulation voltage U_i	30 V (Load circuit)
Active current limitation	typ. $1.25 \times I_N$
Closed circuit current I_0	typ. 8 mA (When switched on)
	typ. 11 mA (With status output)
Power dissipation	1.06 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
Output voltage status output	24 V DC
Output current status output	max. 0.2 A (Short-circuit-proof)
Input voltage reset input	7 V DC ... 30 V DC (Reset with falling edge)
Current consumption reset input	typ. 2.6 mA (at 24 V DC)
Pulse length reset input	min. 20 ms
Voltage reset input	< 3 V DC (Low state)
	> 8 V DC (High state)
Auxiliary type of contact	Positive-switching signal output

Standards and Regulations

<https://www.phoenixcontact.com/gb/products/2800913>

Electronic device circuit breaker - CB E1 24DC/8A S-R P - 2800913

Technical data

Standards and Regulations

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

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"

Phoenix Contact 2021 © - all rights reserved
<http://www.phoenixcontact.com>



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk