

# TMC 7/8 12VDC SHNT - Shunt trip



2908221

<https://www.phoenixcontact.com/us/products/2908221>

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Shunt trip, 1-position, connection method: Screw, mounting type: Snaps on to side of circuit breaker, rated current: 6 A

## Commercial data

Item number	2908221
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	CL08
Product key	CLA125
GTIN	4055626299723
Weight per piece (including packing)	150 g
Weight per piece (excluding packing)	150 g
Customs tariff number	85362010
Country of origin	CN

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## Technical data

### Product properties

Product type	Circuit breakers
Product family	TMC 8
Type	DIN rail module, one-piece
Number of positions	1
Mechanical service life	20000

### Electrical properties

#### General

Operating voltage	12 V DC
Rated current $I_N$	6 A
Tripping level	8 V DC
Power dissipation	240 W
Contact switching type	none

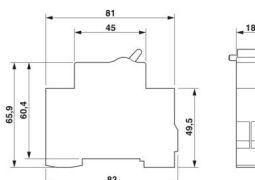
#### Load circuit

Shutdown time	10 ms
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### Connection data

Connection method	Screw
Tightening torque	... 1 Nm
Conductor cross-section rigid	1 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Cross section AWG	18 ... 2 (converted acc. to IEC)
Conductor cross-section flexible	1 mm <sup>2</sup> ... 35 mm <sup>2</sup>
Connection method	Screw connection

### Dimensions

Dimensional drawing	
Width	18 mm
Height	83 mm
Depth	65.7 mm

### Material specifications

Color	light gray (RAL 7035) orange (RAL 2003)
Flammability rating according to UL 94	V-0

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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-35 °C ... 70 °C
Permissible humidity (operation)	95 %
Humidity test	48 h, 95% RH, 40°C (IEC 60068-2-78)
Shock (operation)	30g (11 ms) (IEC 60068-2-11)
Vibration (operation)	±0,38 mm (10 Hz ... 57 Hz), 5g (57 Hz ... 500 Hz) (IEC 60068-2-6, Fc, sine)

## Mounting

Mounting type	Snaps on to side of circuit breaker
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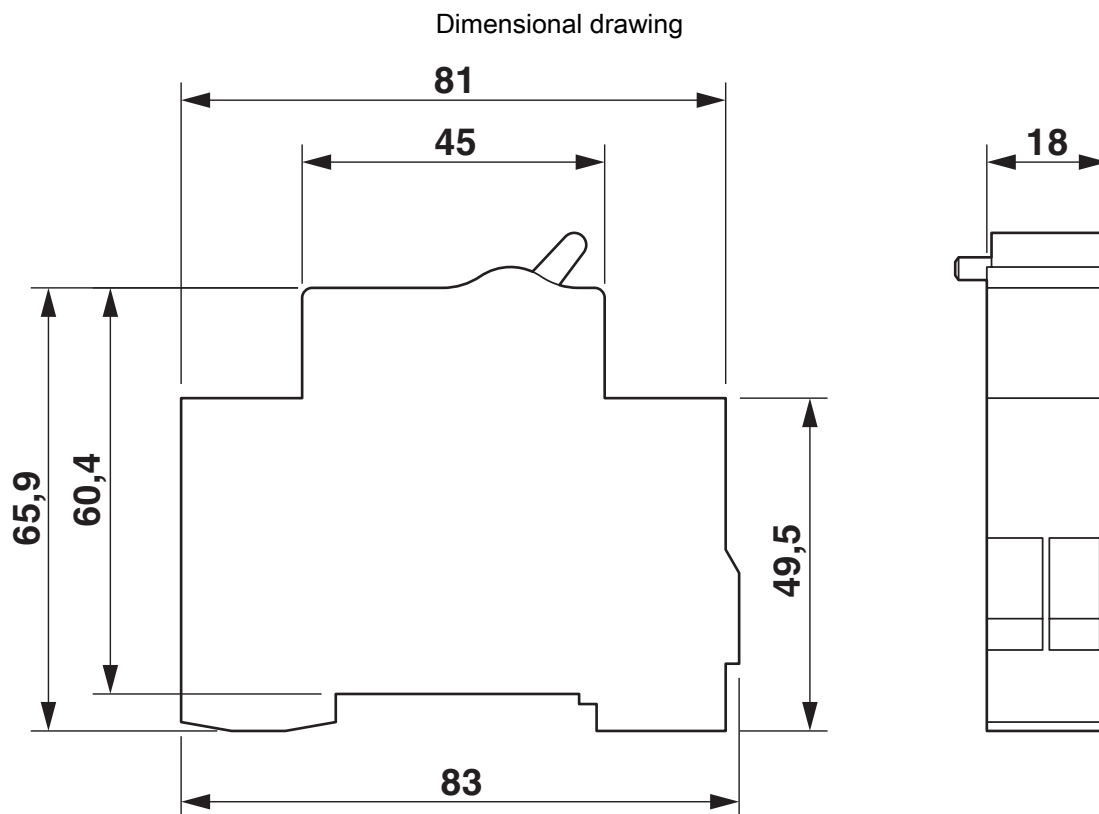
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## Drawings



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2908221>



**UL Listed**

Approval ID: FILE E 478429



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Approval ID: FILE E 478429

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## Classifications

### ECLASS

ECLASS-13.0	27250113
ECLASS-15.0	27250113

### ETIM

ETIM 10.0	EC000899
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### UNSPSC

UNSPSC 21.0	39121410
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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