

# HMC 11 50DC 20A C1D2 - Hydraulic-magnetic circuit breaker



2907199

<https://www.phoenixcontact.com/us/products/2907199>

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HMC series of supplemental circuit protector modules, 20 A rating



## Your advantages

- Optional T-bus for reduced wiring
- UL recognized for hazardous locations Class I, Division 2, Groups A, B, C, and D
- Hydraulic-magnetic technology provides extended temperature stability

## Commercial data

Item number	2907199
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL12
Product key	CLA181
GTIN	4055626342412
Weight per piece (including packing)	222.222 g
Weight per piece (excluding packing)	11.793 g
Country of origin	MX

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## Technical data

### Notes

#### Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
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### Product properties

Product type	Device circuit breakers
Product family	HMC
Number of positions	1
Number of rows	1

### Electrical properties

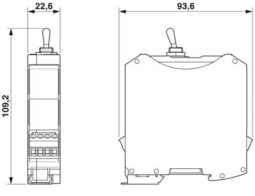
#### General

Nominal current $I_N$	20 A
Rated voltage	50 V DC
Rated short-circuit switching capacity $I_{cn}$	1 kA (SCCR)
Fuse	Hydraulic magnetic circuit breaker

### Connection data

Connection method	Screw connection with tension sleeve
Screw thread	M3
Tightening torque	0.5 ... 0.6 Nm
Stripping length	7 mm
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 12 (converted acc. to IEC)

### Dimensions

Dimensional drawing	
Width	22.6 mm
Height	109.2 mm
Depth	93.6 mm

### Material specifications

Color	light gray (RAL 7035)
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Material	Polyamide
Flammability rating according to UL 94	V0

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 65 °C

## Standards and regulations

Standards/specifications	UL 1077
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## Mounting

Mounting type	DIN rail: 35 mm
Mounting position	As desired on 35 mm DIN rail in acc. with EN 60715

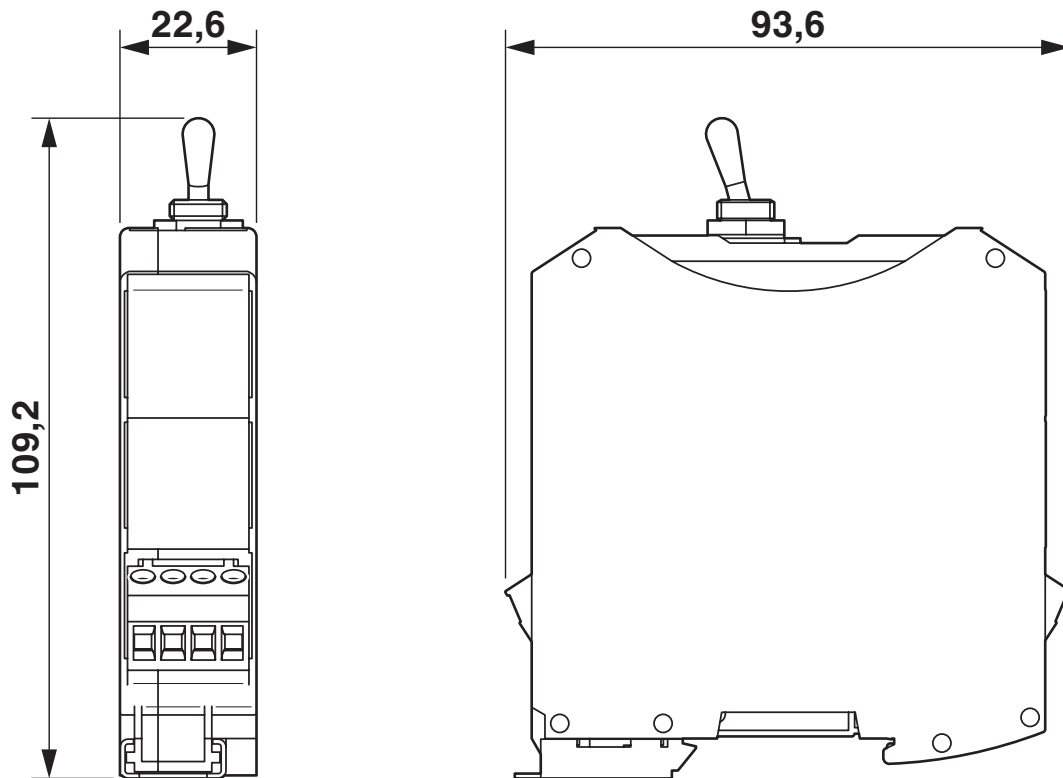
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## Drawings

Dimensional drawing



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Diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907199>



**cUL Recognized**  
Approval ID: FILE E 140459



**UL Recognized**  
Approval ID: FILE E 140459



**cUL Recognized**  
Approval ID: FILE E 360692



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## Classifications

### ECLASS

ECLASS-13.0	27140401
ECLASS-15.0	27140401

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
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### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

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