

# HMC 11 120AC 3A C1D2 - Hydraulic-magnetic circuit breaker



2907193

<https://www.phoenixcontact.com/us/products/2907193>

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HMC series of supplemental circuit protector modules, 3 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
- Dual-rated for 50 V DC and 120 V AC
- Hydraulic-magnetic technology provides extended temperature stability

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2907193       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CL12          |
| Product key                          | CLA181        |
| GTIN                                 | 4055626342368 |
| Weight per piece (including packing) | 222.222 g     |
| Weight per piece (excluding packing) | 222.222 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.

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Device circuit breakers |
| Product family      | HMC                     |
| Number of positions | 4                       |
| Number of rows      | 1                       |

### Electrical properties

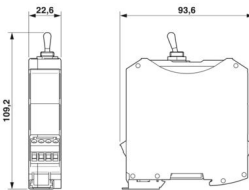
#### General

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| Nominal current $I_N$                           | 3 A                                |
| Rated voltage                                   | 120 V AC (50/60 Hz)                |
|                                                 | 50 V DC                            |
| Rated short-circuit switching capacity $I_{cn}$ | 1 kA ()                            |
| 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              | 93.6 mm                                                                              |
| Depth               | 109.2 mm                                                                             |

### Material specifications

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|                                        |                       |
|----------------------------------------|-----------------------|
| Color                                  | light gray (RAL 7035) |
| 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 |
|--------------------------|---------|

## 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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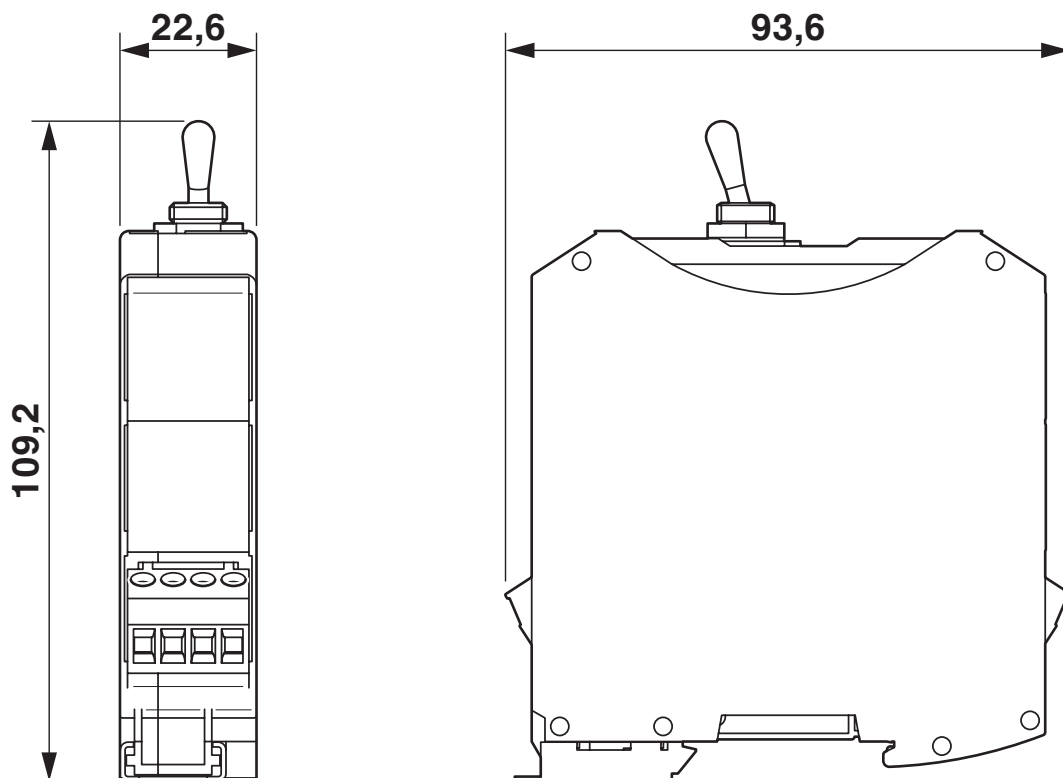


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## Drawings

Dimensional drawing



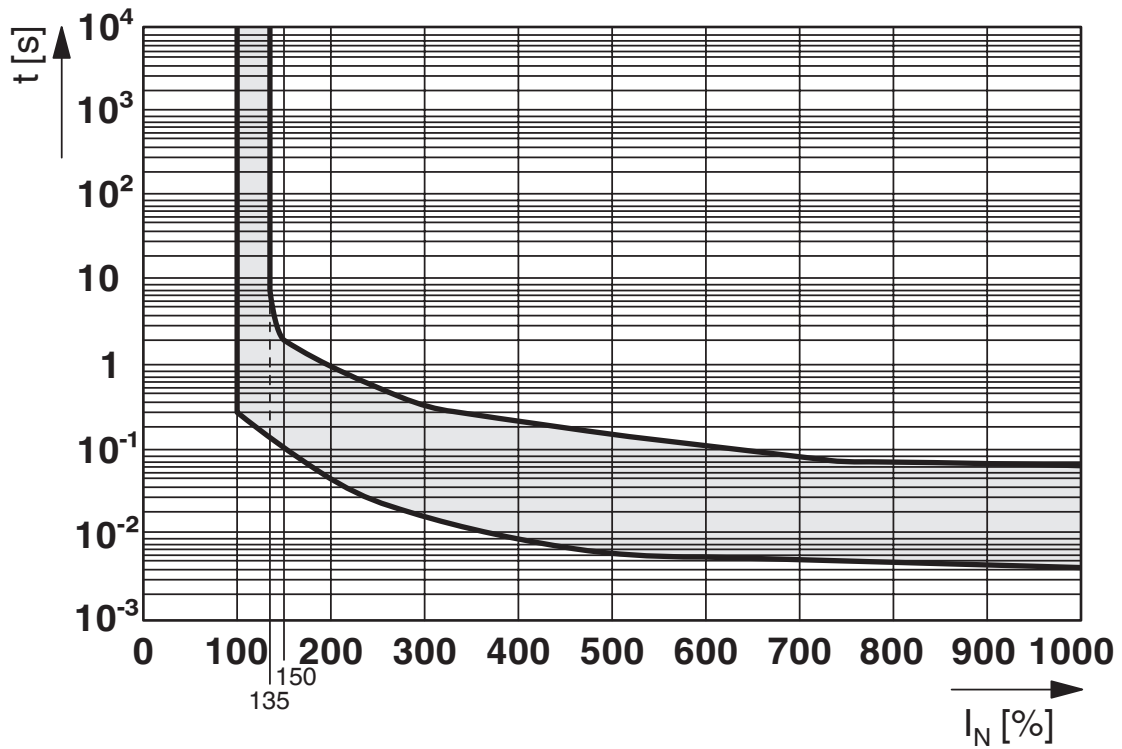
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Diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2907193>



**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 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC000899 |
|----------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                                                       |
|-----------------------------------------|-------------------------------------------------------|
| Fulfills EU RoHS substance requirements | Not applicable, Not qualified for the European market |
|-----------------------------------------|-------------------------------------------------------|

### 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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