

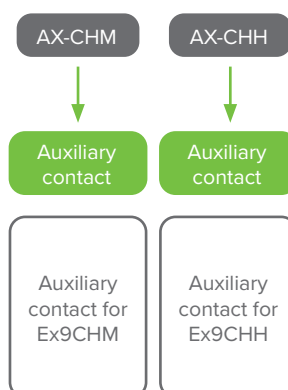
# Accessories for **Ex9CHH** and **Ex9CHM**



- Accessories for installation contactors
- According to IEC / EN 60947-5-1
- Auxiliary contacts for installation contactors with manual operation Ex9CHM
- Auxiliary contacts for silent installation contactors Ex9CHH
- 1 NO + 1 NC or 2 NO version

Auxiliary contacts AX-CHM are designed for installation contactors with manual operation Ex9CHM and Auxiliary contacts AX-CHH are designed for silent installation contactors Ex9CHH. Units are mounted from the right to the installation contactors. Contact units are equipped with 1 NO + 1 NC or 2 NO combination of contacts.

## Type Key



## Certification marks



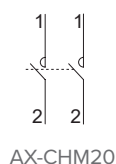
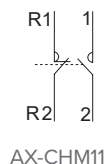
# Accessories for **Ex9CHH** and **Ex9CHM**

## — Auxiliary contact units for installation contactors with manual operation **Ex9CHM** —



| Function  | Contacts<br>NO+NC | Article No. | Type     | Packing  |
|-----------|-------------------|-------------|----------|----------|
| Auxiliary | 1+1               | 116940      | AX-CHM11 | 1/12/120 |
| Auxiliary | 2+0               | 116941      | AX-CHM20 | 1/12/120 |

Wiring diagram

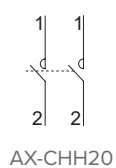
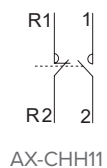


## — Auxiliary contact units for silent installation contactors **Ex9CHH** —



| Function  | Contacts<br>NO+NC | Article No. | Type     | Packing  |
|-----------|-------------------|-------------|----------|----------|
| Auxiliary | 1+1               | 116942      | AX-CHH11 | 1/12/120 |
| Auxiliary | 2+0               | 116943      | AX-CHH20 | 1/12/120 |

Wiring diagram



## — Distance block between **Ex9CH** devices, width 0.5MU —



| Description              | Article No. | Type       |
|--------------------------|-------------|------------|
| Distance block/separator | 107956      | Ex9CH20 SP |

# Technical Data **AX-CHM**

## Auxiliary contact units for installation contactors with manual operation Ex9CHM

### Side-mounted auxiliary contact units AX-CHM

#### General parameters

Contact units are mounted to the device from the right

Contact units are equipped with 1NO+1NC contacts or 2NO contacts

Side-mounted version

#### Electrical parameters

|                                          | <b>AX-CHM11</b>        | <b>AX-CHM20</b> |
|------------------------------------------|------------------------|-----------------|
| Contacts                                 | 1NO + 1NC              | 2NO             |
| Tested according to                      | IEC/EN 60947-5-1       |                 |
| Rated op. voltage $U_e$                  | 230/240 V AC, 130 V DC |                 |
| Rated frequency                          | 50/60 Hz               |                 |
| Rated thermal current $I_{th}$           | 5 A                    |                 |
| Rated op. current $I_e$ , ut. cat. AC-15 | 2 A / 230 V            |                 |
| Rated op. current $I_e$ , ut. cat. AC-12 | 5 A / 240 V            |                 |
| Rated op. current $I_e$ , ut. cat. DC-13 | 1 A / 130 V            |                 |
| Rated impulse voltage $U_{imp}$          | 2.5 kV                 |                 |
| Rated insulation voltage $U_i$           | 500 V                  |                 |
| Rated con. short-circuit current $I_k$   | 1 kA                   |                 |

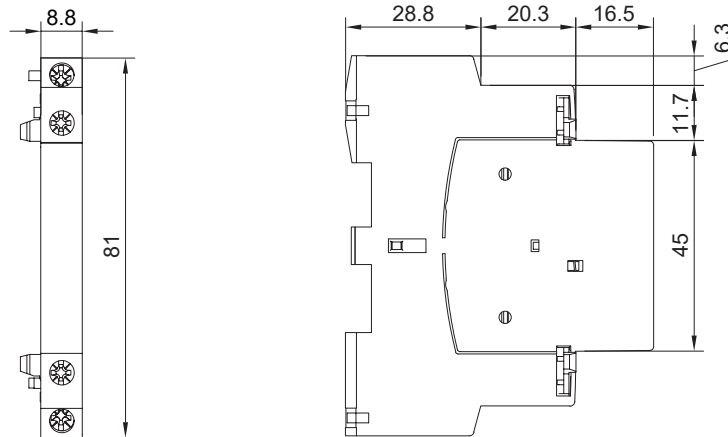
#### Mechanical parameters

|                               | <b>AX-CHM11</b>         | <b>AX-CHM20</b> |
|-------------------------------|-------------------------|-----------------|
| Device width                  | 9 mm                    |                 |
| Device height                 | 81 mm                   |                 |
| Device depth                  | 66 mm                   |                 |
| Mounting                      | side                    |                 |
| Degree of protection          | IP20                    |                 |
| Terminals                     | lift                    |                 |
| Terminal capacity             | 0.5 — 1 mm <sup>2</sup> |                 |
| Fastening torque of terminals | 0.8 Nm                  |                 |

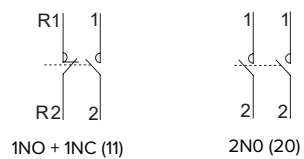
# Technical Data **AX-CHM**

## Auxiliary contact units for installation contactors with manual operation Ex9CHM

### Dimensions



### Wiring diagrams



# Technical Data **AX-CHH**

## Auxiliary contacts **AX-CHH** for silent installation contactors **Ex9CHH**

### Side-mounted auxiliary contact units AX-CHH

#### General parameters

Contact units are mounted to the device from the right

Contact units are equipped with 1NO+1NC contacts or 2NO contacts

Side-mounted version

#### Electrical parameters

|                                          | <b>AX-CHH11</b>        | <b>AX-CHH20</b> |
|------------------------------------------|------------------------|-----------------|
| Contacts                                 | 1NO + 1NC              | 2NO             |
| Tested according to                      | IEC/EN 60947-5-1       |                 |
| Rated op. voltage $U_e$                  | 230/240 V AC, 130 V DC |                 |
| Rated frequency                          | 50/60 Hz               |                 |
| Rated thermal current $I_{th}$           | 5 A                    |                 |
| Rated op. current $I_e$ , ut. cat. AC-15 | 2 A / 230 V            |                 |
| Rated op. current $I_e$ , ut. cat. AC-12 | 5 A / 240 V            |                 |
| Rated op. current $I_e$ , ut. cat. DC-13 | 1 A / 130 V            |                 |
| Rated impulse voltage $U_{imp}$          | 2.5 kV                 |                 |
| Rated insulation voltage $U_i$           | 500 V                  |                 |
| Rated con. short-circuit current $I_k$   | 1 kA                   |                 |

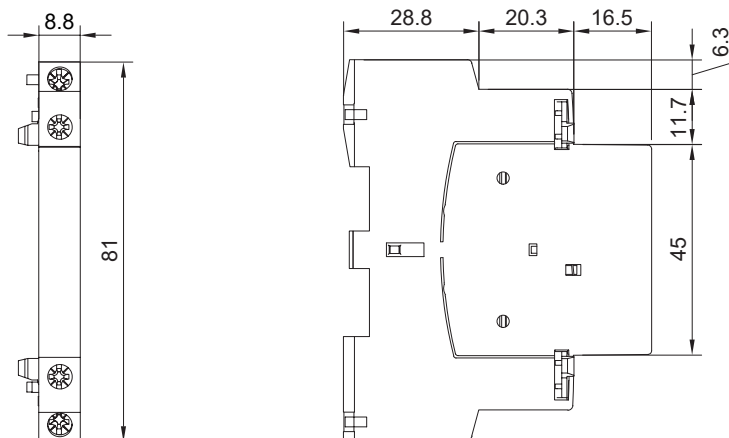
#### Mechanical parameters

|                               | <b>AX-CHH11</b>         | <b>AX-CHH20</b> |
|-------------------------------|-------------------------|-----------------|
| Device width                  | 9 mm                    |                 |
| Device height                 | 81 mm                   |                 |
| Device depth                  | 66 mm                   |                 |
| Mounting                      | side                    |                 |
| Degree of protection          | IP20                    |                 |
| Terminals                     | lift                    |                 |
| Terminal capacity             | 0.5 — 1 mm <sup>2</sup> |                 |
| Fastening torque of terminals | 0.8 Nm                  |                 |

# Technical Data **AX-CHH**

## Auxiliary contacts AX-CHH for silent installation contactors Ex9CHH

### Dimensions



### Wiring diagrams

