## Production Selection

| Product model | Operating mode | Shell frame current | Setting current |
|---|---|---|---|
| CDV2s | - | 32 | P16 |
| | Default: Button operation<br>X: Knob operation | 32: 32A | P16: 0.1-0.16A<br>...<br>32: 24-32A<br>P denotes decimal points |





| Thermal trip | Magnetic trip | 400/415V, 50/60Hz, Class AC-3 | Recommended for matched use | Order code |
|---|---|---|---|---|
| Setting current range | Current Id | Standard rated power of threephase motor | Contactor model | |
| 0.1-0.16A | 1.5A | - | CJX2s-0911 | CDV2s(X) 32 P16 |
| 1.06-0.25A | 2.4A | 0.06KW | CJX2s-0911 | CDV2s(X) 32 P25 |
| 0.25-0.4A | 5A | 0.09KW | CJX2s-0911 | CDV2s(X) 32 P4 |
| 0.4-0.63A | 8A | 0.12KW | CJX2s-0911 | CDV2s(X) 32 P63 |
| 0.63-1A | 13A | 0.25KW | CJX2s-0911 | CDV2s(X) 32 1 |
| 1-1.6A | 22.5A | 0.37KW | CJX2s-0911 | CDV2s(X) 32 1P6 |
| 1.6-2.5A | 33.5A | 0.75KW | CJX2s-0911 | CDV2s(X) 32 2P5 |
| 2.5-4A | 51A | 1.5KW | CJX2s-0911 | CDV2s(X) 32 4 |
| 4-6.3A | 78A | 2.2KW | CJX2s-0911 | CDV2s(X) 32 6P3 |
| 6-10A | 138A | 4KW | CJX2s-0911 | CDV2s(X) 32 10 |
| 9-14A | 170A | 5.5KW | CJX2s-1211 | CDV2s(X) 32 14 |
| 13-18A | 223A | 7.5KW | CJX2s-1811 | CDV2s(X) 32 18 |
| 17-23A | 327A | 9KW | CCJX2s-2511 | CDV2s(X) 32 23 |
| 20-25A | 327A | 11KW | CJX2s-2511 | CDV2s(X) 32 25 |
| 24-32A | 416A | 15KW | CJX2s-3211 | CDV2s(X) 32 32 |

## ■ Product Accessories

| Name | | Model | Specification | Order code | Applicable products |
|---|---|---|---|---|---|
| Under-voltage release | | AUV2s | 110-127V | AUV2S110 | CDV2s |
| | | | 220-240V | AUV2S220 | |
| | | | 380-400V | AUV2S380 | |
| | | | 415V | AUV2S415 | |
| Shunt release | | ASV2s | 110-127V | ASV2S110 | |
| | | | 220-240V | ASV2S220 | |
| | | | 380-400V | ASV2S380 | |
| | | | 415V | ASV2S415 | |
| Auxiliary contact | Top mounted | AEV2s | 2NO | AEV2S20 | |
| | | | 1NC+1NO | AEV2S11 | |
| | Side mounted | ANV2s | 2NO | ANV2S20 | |
| | | | 1NC+1NO | ANV2S11 | |
| Waterproof shell | | CDV2s-32MC | IP55 | CDV2S32MC | |
| Knob handle | | 32XH | CDV2sX-32 Extend handle | CDV2s32XH | CDV2sX |



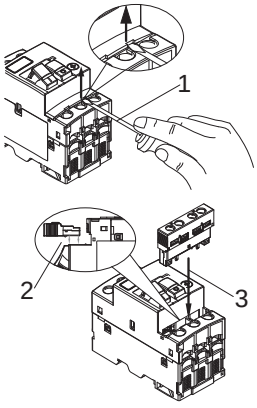






## ■ Basic Parameters Of Instantaneous Auxiliary Contact

| Name | Rated insulation voltage UI | Use categories | Rated operating voltage | Rated operating current | Conventional heating current |
|---|---|---|---|---|---|
| Top auxiliary contacts | 250V | AC-15 | 24V | 2A | 2.5A |
| | | | 48V | 1.25A | 2.5A |
| | | | 110V | 1A | 2.5A |
| | | | 230V | 0.5A | 2.5A |
| | | DC-13 | 24V | 1A | 2.5A |
| | | | 48V | 0.3A | 2.5A |
| Side auxiliary contacts | 690V | AC-15 | 48V | 6A | 6A |
| | | | 110V | 4.5A | 6A |
| | | | 230V | 3.3A | 6A |
| | | | 380V | 2.2A | 6A |
| | | DC-13 | 24V | 6A | 6A |
| | | | 48V | 5A | 6A |
| | | | 220V | 0.5A | 6A |




1. Pry up the top auxiliary shell;
2. The flat side of the top auxiliary is closely attached to the circuit breaker;
3. Align with the installation position and insert downward.

AEV2s or AEV2s20 Installation

## Technical Parameters

| | | | |
|---|---|---|---|
| Operating mode | Button type Knob type | Tightening torque | 1.7 N·m |
| Shell frame current | 32A | Mechanical life (closed/open) | 110000 |
| Withstand impulse voltage | 6000V | Electrical life AC-3 400V | 110000 |
| Rated operating voltage | 690V | Overload protection category | Thermal overload, phase failure |
| Rated insulation voltage | 690V | Short circuit protection | Yes |
| Rated operating frequency | 50/60Hz | Isolation function | Yes |
| Trip grade | 10A | Temperature compensation function | Yes |

### ■ Breaking Capacity

| Setting current | Ue:230/240V | | Ue:400/415V | | Ue:400V | | Ue:500V | | Ue:690V | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Icu | Ics | Icu | Ics | Icu | Ics | Icu | Ics | Icu | Ics |
| 0.1-0.16A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 0.16-0.25A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 0.25-0.4A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 0.4-0.63A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 0.63-1A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 1-1.6A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 1.6-2.5A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 3 | 2.25 |
| 2.5-4A | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 3 | 2.25 |
| 4-6.3A | 100 | 100 | 100 | 100 | 50 | 50 | 50 | 50 | 3 | 2.25 |
| 6-10A | 100 | 100 | 100 | 100 | 15 | 15 | 10 | 10 | 3 | 2.25 |
| 9-14A | 100 | 100 | 15 | 7.5 | 8 | 4 | 6 | 4.5 | 3 | 2.25 |
| 13-18A | 100 | 100 | 15 | 7.5 | 8 | 4 | 6 | 4.5 | 3 | 2.25 |
| 17-23A | 50 | 50 | 15 | 6 | 6 | 3 | 4 | 3 | 3 | 2.25 |
| 20-25A | 50 | 50 | 15 | 6 | 6 | 3 | 4 | 3 | 3 | 2.25 |
| 24-32A | 50 | 50 | 10 | 5 | 6 | 3 | 4 | 3 | 3 | 2.25 |

Fuse select gL/Gg (when the expected short-circuit current is larger than the rated limit short-circuit breaking capacity Icu, the standby fuse is required)

| Setting current | Ue:230/240V | Ue:400/415V | Ue:690V |
|---|---|---|---|
| 0.1-0.16A | - | - | - |
| 0.16-0.25A | - | - | - |
| 0.25-0.4A | - | - | - |
| 0.4-0.63A | - | - | - |
| 0.63-1A | - | - | - |
| 1-1.6A | - | - | - |
| 1.6-2.5A | - | - | 20 |
| 2.5-4A | - | - | 32 |

| Setting current | Ue:230/240V | Ue:400/415V | Ue:690V |
|---|---|---|---|
| 4-6.3A | - | - | 40 |
| 6-10A | - | - | 40 |
| 9-14A | - | 80 | 50 |
| 13-18A | - | 80 | 50 |
| 17-23A | 100 | 100 | 50 |
| 20-25A | 100 | 100 | 50 |
| 24-32A | 100 | 100 | 50 |

Note: "-" indicates that the fuse is not required

## Standard Rated Power of Three-phase Motor, 50/60Hz, AC-3

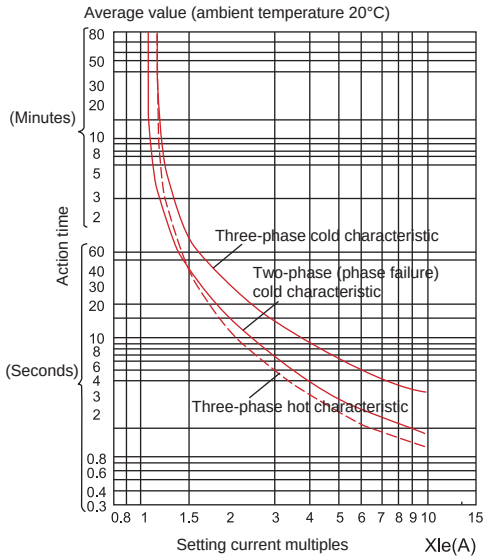
| Setting current | Ue:230/240V | Ue:400/415V | Ue:690V |
|---|---|---|---|
| 0.1-0.16A | - | - | - |
| 0.16-0.25A | - | 0.06KW | - |
| 0.25-0.4A | - | 0.09KW | - |
| 0.4-0.63A | - | 0.12KW | 0.37KW |
| 0.63-1A | - | 0.25KW | 0.55KW |
| 1-1.6A | - | 0.37KW | 1.1KW |
| 1.6-2.5A | 0.37KW | 0.75KW | 1.5KW |
| 2.5-4A | 0.75KW | 1.5KW | 3KW |

| Setting current | Ue:230/240V | Ue:400/415V | Ue:690V |
|---|---|---|---|
| 4-6.3A | 1.1KW | 2.2KW | 4KW |
| 6-10A | 2.2KW | 4KW | 7.5KW |
| 9-14A | 3KW | 5.5KW | 9KW |
| 13-18A | 4KW | 7.5KW | 11KW |
| 17-23A | 5.5KW | 9KW | 15KW |
| 20-25A | 5.5KW | 11KW | 18.5KW |
| 24-32A | 7.5KW | 15KW | 22KW |

## ■ Breaking Capacity

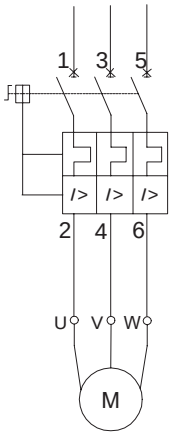
| Serial number | Setting current multiple | | Action time | Initial condition | Ambient temperature |
|---|---|---|---|---|---|
| Operating characteristics when each phase load is balanced | | | | | |
| 1 | 1.05 | | No action within 2 hours | Cold state | +20°C |
| 2 | 1.2 | | Action within 2 hours | Hot state (after experiment connected to No.1) | +20°C |
| 3 | 1.5 | | Action within 2 hours | Hot state (after experiment connected to No.1) | +20°C |
| 4 | 7.2 | | Action in 2 to 10 seconds | Cold state | +20°C |
| Operating characteristics when the load of each phase is unbalanced (phase failure) | | | | | |
| | Any two phases | The third phase | | | |
| 1 | 1.0 | 0.9 | No action within 2 hours | Cold state | +20°C |
| 2 | 1.15 | 0 | Action within 2 hours | Hot state (after experiment connected to No.1) | +20°C |
| Temperature compensation performance | | | | | |
| 1 | 1.0 | | No action within 2 hours | Cold state | +40°C |
| 2 | 1.2 | | Action within 2 hours | Hot state (after experiment connected to No.1) | +40°C |
| 3 | 1.05 | | No action within 2 hours | Cold state | -5°C |
| 4 | 1.3 | | Action within 2 hours | Hot state (after experiment connected to No.3) | -5°C |

## ■ Tripping Curve Diagram



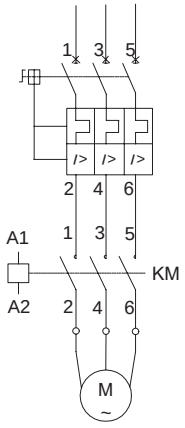

## ■ Wiring Diagram

CDV2s (X) Direct Tow Load




Suitable for load types with infrequent on-off

CDV2s (X) with CJX2s Tow Load




Suitable for load type frequent on-off

## ■ Schematic Diagram Of Accessory Installation




| Model | Name | Installation position | Maximum installation |
|---|---|---|---|
| AEV2s | Auxiliary contact (top installation) | Right above | 1 |
| ANV2s | Auxiliary contact (side mounted) | Left side | 2 |
| AUV2s | Under-voltage release | Right side | 1 |
| ASV2s | Shunt release | Right side | 1 |
| CDV2s32XH | CDV2sX-32 Extension handle | Right above | 1 |

## Outline and Installation Dimensions

