

# Contactors (18AF)

Metasol

## Description

- 3-pole(NO) main contact
- Finger proof design
- DIN rail or screw mountable
- AC or DC control in different physical size
- Front/side mountable accessories available
- Direct mountable overload relay available Rating
- 1NO or 1NC Auxiliary contact built-in as standard.



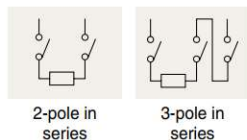
MC-18a

## Rating

| Contactor type                    |        |                 | MC-6a                |    | MC-9a |    | MC-12a |    | MC-18a |    |    |
|-----------------------------------|--------|-----------------|----------------------|----|-------|----|--------|----|--------|----|----|
|                                   |        |                 | kW                   | A  | kW    | A  | kW     | A  | kW     | A  |    |
| AC duty                           | AC3    | 200/240V        | 2.2                  | 9  | 2.5   | 11 | 3.5    | 13 | 4.5    | 18 |    |
|                                   |        | 380/440V        | 3                    | 7  | 4     | 9  | 5.5    | 12 | 7.5    | 18 |    |
|                                   |        | 500/550V        | 3                    | 6  | 4     | 7  | 7.5    | 12 | 7.5    | 13 |    |
|                                   |        | 690V            | 3                    | 4  | 4     | 5  | 7.5    | 9  | 7.5    | 9  |    |
|                                   | AC4    | 200/240V        | 1.5                  | 7  | 1.5   | 8  | 2.2    | 11 | 3.7    | 16 |    |
|                                   |        | 380/440V        | 2.2                  | 5  | 2.2   | 6  | 4      | 9  | 4      | 11 |    |
| AC1                               |        | -               | 25                   | -  | 25    | -  | 25     | -  | 32     |    |    |
| DC1 duty<br>(L/R=1ms)             | 2-pole | 24V             | -                    | 18 | -     | 18 | -      | 18 | -      | 18 |    |
|                                   |        | in series       | 48V                  | -  | 17    | -  | 17     | -  | 17     | -  | 17 |
|                                   |        | 110V            | -                    | 12 | -     | 12 | -      | 12 | -      | 12 |    |
|                                   | 3-pole | 24V             | -                    | 20 | -     | 20 | -      | 20 | -      | 20 |    |
|                                   |        | in series       | 48V                  | -  | 20    | -  | 20     | -  | 20     | -  | 20 |
|                                   |        | 110V            | -                    | 15 | -     | 15 | -      | 15 | -      | 15 |    |
| DC2, 4 duty<br>(L/R=15ms)         | 2-pole | 24V             | -                    | 15 | -     | 15 | -      | 15 | -      | 15 |    |
|                                   |        | in series       | 48V                  | -  | 12    | -  | 12     | -  | 12     | -  | 12 |
|                                   |        | 110V            | -                    | 8  | -     | 8  | -      | 8  | -      | 8  |    |
|                                   | 3-pole | 24V             | -                    | 18 | -     | 18 | -      | 18 | -      | 18 |    |
|                                   |        | in series       | 48V                  | -  | 15    | -  | 15     | -  | 15     | -  | 15 |
|                                   |        | 110V            | -                    | 12 | -     | 12 | -      | 12 | -      | 12 |    |
| Directly mountable Overload relay |        |                 | MT-12                |    |       |    |        |    |        |    |    |
| Conductor size (solid, stranded)  |        | AWG             | 18~10                |    | 16~10 |    | 16~8   |    | 14~8   |    |    |
| (the max. number of conducts: 2)  |        | mm <sup>2</sup> | 1~4                  |    | 1.5~4 |    | 1.5~10 |    | 2.5~10 |    |    |
| Conductor type                    |        |                 | 65/75°C Cu-wire only |    |       |    |        |    |        |    |    |



## Coil voltage



|    |         |   |
|----|---------|---|
| AC | 50Hz    | 24, 32, 42, 48, 80, 100, 110, 220, 230, 240, 380, 400, 500, 550V    |
|    | 60Hz    | 24, 48, 110, 110, 12, 200, 208, 220, 230, 240, 277, 380, 480, 600V  |
|    | 50/60Hz | 24, 48, 100, 110, 120, 200, 220, 230, 240, 380, 415, 440, 500, 550V |
| DC | DC      | 12, 20, 24, 48, 60, 80, 100, 110, 125, 200, 220, 250V               |

### Certification

- CE(IEC)
- UL508

## Accessories

