

# Contactors - DC operated

Low power consumption at inrush and sealed operation



- Direct control by PLC
- Integrated suppressor unit
- Accessories as MC series
- 4 coil terminal
- Climate resistant, ambient temperatures -40 to 90°C



## Options and ordering codes

|                 |             |           |          |           |                         |
|-----------------|-------------|-----------|----------|-----------|-------------------------|
|                 | <b>MCD</b>  | <b>10</b> | <b>S</b> | <b>10</b> | <b>Coil Voltage</b>     |
| Contact relay   | <b>MCRD</b> |           |          |           |                         |
| Contact         | <b>MCD</b>  |           |          |           |                         |
| AC3 rating      |             | <b>10</b> |          |           |                         |
| Screw terminals |             |           | <b>S</b> |           |                         |
|                 |             |           |          | <b>00</b> | No auxiliaries          |
|                 |             |           |          | <b>10</b> | 1 NO auxiliary          |
|                 |             |           |          | <b>01</b> | 1 NC auxiliary          |
|                 |             |           |          | <b>11</b> | 1 NO & 1 NC auxiliary   |
|                 |             |           |          | <b>22</b> | 2 NO & 2 NC auxiliaries |

DC coils 24V=, 60V=, 110V=, 220V=

### Dimensions (mm)

|         |                  |
|---------|------------------|
| 4-11kW  | 74h x 45w x 94d  |
| 11-18kW | 74h x 45w x 109d |

## Contactor relays

|                                  |  | AC15 (230V) [A] | Rated current I <sub>th</sub> [A] | Contacts<br>NO  NC | Max 4 pieces aux. contacts mountable | Type Coil DC<br>24V=, 60V=, 110V=, 220V= | Coil-power inrush/sealed [W] | Pieces per pack |
|----------------------------------|--|-----------------|-----------------------------------|--------------------|--------------------------------------|------------------------------------------|------------------------------|-----------------|
| for high power ratings           |  | 12              | 20                                | 4 -                | MCA.. or MCAH..                      | <b>MCRD07-S-40....</b>                   | 3 / 3                        | 1               |
|                                  |  | 12              | 20                                | 3 1                | MCA.. or MCAH..                      | <b>MCRD07-S-31....</b>                   | 3 / 3                        | 1               |
|                                  |  | 12              | 20                                | 2 2                | MCA.. or MCAH..                      | <b>MCRD07-S-22....</b>                   | 3 / 3                        | 1               |
|                                  |  | 12              | 20                                | - 4                | MCA.. or MCAH..                      | <b>MCRD07-S-04....</b>                   | 3 / 3                        | 1               |
| suitable for electronic circuits |  | 4               | 10                                | 4 -                | MCA.. or MCAH..                      | <b>MCRD07-S-40....</b>                   | 3 / 3                        | 1               |
|                                  |  | 4               | 10                                | 3 1                | MCA.. or MCAH..                      | <b>MCRD07-S-31....</b>                   | 3 / 3                        | 1               |
|                                  |  | 4               | 10                                | 2 2                | MCA.. or MCAH..                      | <b>MCRD07-S-22....</b>                   | 3 / 3                        | 1               |
|                                  |  | 4               | 10                                | - 4                | MCA.. or MCAH..                      | <b>MCRD07-S-04....</b>                   | 3 / 3                        | 1               |

## Contactors

|        |  | Motor AC3 (400V) [kW] | Rated current I <sub>th</sub> [A] | Aux. contacts built in<br>NO  NC | Max 4 pieces aux. contacts mountable | Type Coil DC<br>24V=, 60V=, 110V=, 220V= | Coil-power inrush/sealed [W] | Pieces per pack |
|--------|--|-----------------------|-----------------------------------|----------------------------------|--------------------------------------|------------------------------------------|------------------------------|-----------------|
| 3 pole |  | 4                     | 25                                | 1 -                              | MCA.. or MCAH..                      | <b>MCD10-S-10....</b>                    | 3 / 3                        | 1               |
|        |  | 4                     | 25                                | - 1                              | MCA.. or MCAH..                      | <b>MCD10-S-01....</b>                    | 3 / 3                        | 1               |
|        |  | 5.5                   | 25                                | 1 -                              | MCA.. or MCAH..                      | <b>MCD14-S-10....</b>                    | 3 / 3                        | 1               |
|        |  | 5.5                   | 25                                | - 1                              | MCA.. or MCAH..                      | <b>MCD14-S-01....</b>                    | 3 / 3                        | 1               |
|        |  | 7.5                   | 32                                | 1 -                              | MCA.. or MCAH..                      | <b>MCD18-S-10....</b>                    | 3 / 3                        | 1               |
|        |  | 7.5                   | 32                                | - 1                              | MCA.. or MCAH..                      | <b>MCD18-S-01....</b>                    | 3 / 3                        | 1               |
|        |  | 11                    | 32                                | 1 -                              | MCA.. or MCAH..                      | <b>MCD22-S-10....</b>                    | 3 / 3                        | 1               |
|        |  | 11                    | 32                                | - 1                              | MCA.. or MCAH..                      | <b>MCD22-S-01....</b>                    | 3 / 3                        | 1               |
|        |  | 11                    | 50                                | - -                              | MCA.. or MCAH..                      | <b>MCD24-S-00....</b>                    | 4 / 4                        | 1               |
|        |  | 15                    | 65                                | - -                              | MCA.. or MCAH..                      | <b>MCD32-S-00....</b>                    | 4 / 4                        | 1               |
|        |  | 18.5                  | 80                                | - -                              | MCA.. or MCAH..                      | <b>MCD40-S-00....</b>                    | 4 / 4                        | 1               |
|        |  | -                     | -                                 | - -                              | -                                    | -                                        | -                            | -               |
| 4 pole |  | 4                     | 25                                | - -                              | MCA.. or MCAH..                      | <b>MCD10-S-00-40....</b>                 | 3 / 3                        | 1               |
|        |  | 5.5                   | 25                                | - -                              | MCA.. or MCAH..                      | <b>MCD14-S-00-40....</b>                 | 3 / 3                        | 1               |
|        |  | 7.5                   | 32                                | - -                              | MCA.. or MCAH..                      | <b>MCD22-S-00-40....</b>                 | 3 / 3                        | 1               |
|        |  | 11                    | 32                                | - -                              | MCA.. or MCAH..                      | <b>MCD22-S-00-40....</b>                 | 3 / 3                        | 1               |