

Contactors

DL 4 K to DL 18 K

4-18.5 kW / 5-25 HP at 460 V, 3 ph. (AC 3),

AC-operated,

3 main contacts,

integral aux. contacts

on sizes up to 11 kW



- Versatile compact contactors
- Auxiliary contacts are ENTRELEC-SCHIELE-twin aux. contacts
- Simple mounting with integral snap-on mount, with provision for screw attachment
- Ample wiring space and connecting terminals with plus/minus screws and self-lifting clamps which are supplied in the "open" position allow fast and economic wiring
- Finger protection to VDE 01060 Part 100
- Bi-frequency coils - 50/60 Hz
- Expandable due to comprehensive system components - 2- and 4-pole contact blocks, mechanical interlock, electromechanical latch head and pneumatic timer
- Safety isolation up to 400 V AC of coil and contact elements to DIN VDE 0106: Part 101 and A1

■ Approvals:

Voltage codes 04 ... 73 to be added to the contactor order reference number

| Code number | for coil voltage AC | Color code ¹⁾ AC |
|-------------|---------------------|-----------------------------|
| ... 04 | 12 V | violet |
| ... 06 | 24 V | violet |
| ... 10 | 32 V | violet |
| ... 11 | 36 V | green |
| ... 13 | 42 V | white |
| ... 15 | 48 V | white |
| ... 19 | 60 V | green |
| ... 25 | 110 V | yellow |
| ... 28 | 120 V | yellow |
| ... 29 | 127 V | yellow |
| ... 38 | 208 V | blue |
| ... 40 | 230 V | blue |
| ... 41 | 220 V | blue |
| ... 43 | 240 V | blue |
| ... 59 | 400 V | red |
| ... 61 | 380 V | red |
| ... 63 | 415 V | red |
| ... 65 | 440 V | red |
| ... 69 | 500 V | black |
| ... 73 | 600 V | black |

Our control relays and compact contactors are delivered with bi-frequency coils for 50/60 Hz.

Further notes at the bottom of this page.

Characteristics

| Max. AC 3 ratings of 3-phases motors (kW) | | | | Rated operational current I _e AC 1 / AC 3 A | Contactor type | Order ref.: see supplements at the top right | Circuit diagram / numbering to DIN EN 50 005 and DIN EN 50 012 | Weight kg | Suitable therm. overload relay | For dimensions see page 1674 |
|---|-------|-------|-------|--|----------------|--|--|-----------|--------------------------------|------------------------------|
| 230 V | 400 V | 500 V | 690 V | | | | | | | |
| 2.2 | 4 | 5.5 | 4 | 22/9 | DL 4 K-10 | 1 366 001 .. | | 0.38 | M 23 K | |
| | | | | | DL 4 K-01 | 1 366 004 .. | | 0.38 | | |
| | | | | | DL 4 K-22 | 1 366 031 .. | | 0.45 | | |
| 3 | 5.5 | 7.5 | 5.5 | 25/12 | DL 5 K-10 | 1 366 013 .. | | 0.38 | M 23 K | |
| | | | | | DL 5 K-01 | 1 366 016 .. | | 0.38 | | |
| | | | | | DL 5 K-22 | 1 366 037 .. | | 0.45 | | |
| 4 | 7.5 | 11 | 7.5 | 39/16 | DL 7 K-10 | 1 366 201 .. | | 0.38 | M 23 K | |
| | | | | | DL 7 K-01 | 1 366 204 .. | | 0.38 | | |
| | | | | | DL 7 K-22 | 1 366 231 .. | | 0.45 | | |
| 5.5 | 11 | 15 | 11 | 39/23 | DL 11 K-10 | 1 366 213 .. | | 0.38 | M 23 K | |
| | | | | | DL 11 K-01 | 1 366 216 .. | | 0.38 | | |
| | | | | | DL 11 K-22 | 1 366 237 .. | | 0.45 | | |
| 9 | 15 | 18.5 | 15 | 54/30 | DL 15 K | 1 370 001 .. ^{a)} | | 0.45 | M 40 K | |
| | | | | | DL 15 K-22 | 1 370 017 .. ^{b)} | | 0.45 | | |
| 11 | 18.5 | 20 | 18.5 | 54/37 | DL 18 K | 1 370 004 .. ^{a)} | | 0.45 | M 40 K | |
| | | | | | DL 18 K-22 | 1 370 020 .. ^{b)} | | 0.45 | | |

Notes

Normal/Standard voltages are:
(Short-term availability)
Other coil voltages on request

AC: 24, 42, 110, 230 and 400 V
DC: 24, 110 and 220 V

Type DL 4 K-22 to DL 18 K-22 contactors are supplied with the auxiliary contacts fitted.

Auxiliary contact blocks - page 1613

Further system components - pages 1613-1617

Technical details - page 1667

Possible auxiliary contact block combinations - page 1615

¹⁾ Color code to IEC 309-1 printed on the coil.
Only for compact contactors, HL 4 K / HL 8 K and DL 4 K - DL 18 K