Installation Contactor
RIC40
40 A, AC/DC control voltage, silent operation
DIN rail mounting according to DIN 43 880

Type: RIC 40-xxx/...V
Hum-free installation contactor, 4 contacts, 4 NO, 2 NO-2 NC, 4 NC types available

Rated operational power AC-1
Single phase: 8.7 kW/230 V, 0.5 A / 220 V DC-1
3 phase 230 V: 16 kW
3 phase 400 V: 26 kW

Recommended minimum contact load
10 mA / 24 V

Contacts
Material: AgSnO2
Rated operational current: 40 A
Max. inrush current (100ms): 150 A
Max. switching voltage: 400 V
Max. AC load 3 phase: AC-1, 16 kW; AC-7a, 26 kW; AC-3, 3.7 kW
Max. DC load 24V/220V DC-1: 960 W

Control input $V_{in} = AC 50 / 60 Hz / DC
V N = AC 50 / 60 Hz / DC UC-1: 24 V
UC-3: 195 ... 253
Typ. pic up voltage [V]: 20 ... 26.4
Typ. release voltage [V]: 17 ... 160
Power consumption [W]: ≤ 5
Inductive turn-off voltage: None
Surge immunity: EN 6100-4-5: 2 kV

Insulation
Rated insulation voltage: 440 V
Rated impulse withstand voltage: 4 kV
Min. clearance of open contact: 3.6 mm

General Specifications
Ambient temperature
storage -30 ... 80 °C
operation, Spacer after 2 contactors side by side -5 ... 55 °C
operation, Spacer after 3 contactors side by side -5 ... 40 °C
Pick-up time: 15 ... 45 ms
Release time: 20 ... 70 ms
Mechanical life: ≥ 3 x 10^6 operations
AC voltage endurance at rated load: AC-3, AC-7b: ≥ 1.5 x 10^6 operations
DC voltage endurance at rated load: DC-1: 10^5 operations
Operating frequency at rated load: AC-1, AC-3: ≤ 300 operations / h
Operating frequency at rated load: DC-1: ≤ 600 operations / h
Conductor cross section coil /contacts terminals: 0.6 Nm / 2 Nm
Ingress protection degree: IP 20
Weight: 420 g

Standard types
UC (AC / DC) 50 / 60 Hz, 24, 230
4NO: RIC40-400/UC ...V
2NO + 2NC: RIC40-220/UC ...V
4NC: RIC40-040/UC ...V

Accessories
Auxiliary contact bloc: RIC-AUX..
Sealing cover: RIC-SEAL 40-63
Spacer: RIC-DIST

Samples of lamp loads
Number of lamps
Incandescent lamps 230 V / 100 W: 40
Fluorescent lamps not corrected 230 V / 36 W: 65
Fluorescent lamps electronic ballast units 36 W: 52

Mounting information
If multiple contactors are mounted side by side, spacers (RIC DIST) have to be inserted for the purpose of heat dissipation.
Example: Ambient temperature up to 40°C: 1 spacer after 3 RIC // 40...55°C: 1 spacer after 2 RIC.