

# RMC08-310/AC230V

4 pole | 8.5 A | 4 kW



## Main circuit

Available contact materials	⚡ AgNi
Rated voltage	690 V AC
Rated current AC-1	20 A
Rated current AC-3	8.5 A, 400 V
Rated current DC-3	0.25 A, 110 VDC
Recommended minimum contact load	50 mA, 17 V
Mechanical endurance (cycles)	10 000 000
Electrical endurance at rated load AC-1 (cycles)	200 000
Electrical endurance at rated load AC-3 (cycles)	see fig. 2
Switching frequency at rated load AC-1 (cycles / h)	≤ 600
Switching frequency at rated load AC-3 (cycles / h)	≤ 600
Switching frequency at rated load DC-3 (cycles / h)	≤ 300

## Control circuit

Nominal voltage	see table product references
Operating voltage range	0.85 ... 1.1 U <sub>N</sub>
Pick-up voltage	≤ 0.85 U <sub>N</sub>
Release voltage	≥ 0.2 U <sub>N</sub> AC / ≥ 0.1 U <sub>N</sub> DC
Pick-up time	10 ... 15 ms
Release time	6 ... 15 ms
Power consumption AC / DC	8.1 VA / 4 W
Frequency range	50 / 60 Hz

## Insulation

Rated insulation voltage	690 V
Rated impulse withstand voltage open contact	6 kV / 1 min
Pollution degree	3
Overvoltage category	III
Clearance of open contact	3.6 mm

## Wiring

Contact type control / main circuit	Screw connection, M3.5 / M3.5
Conductor cross section control / main circuit	2.5 mm <sup>2</sup> / 2.5 mm <sup>2</sup>
Stripping Length control / main circuit	10 mm / 10 mm
Nominal screw torque control / main circuit	1.2 Nm / 1.2 Nm
Screwdrive control / main circuit	PZ2 / PZ2

## Housing and environmental conditions

Storage temperature (no ice)	-30 ... 80 °C
Ambient temperature operation open contact	-20 ... 60 °C
Ambient temperature operation close contact	-20 ... 45 °C
Relative humidity, no condensation	95 %
Ingress Protection	IP20
Weight	AC: 160 g / DC: 215 g
Color	black
Housing material	PA 66
Operation Altitude	Max. 2 000 m
Mounting	DIN rail
Dimensions	see fig. 3

## Product references

Description	Type	230
3 NO + 1 NO	RMC08-310/AC...V	✓
Other voltages on request. Please contact support@comatreleco.com.		
«...» List control circuit voltage to complete product references.		

## Accessories

Auxiliary contact	RMC-AUX02, RMC-AUX04, RMC-AUX11, RMC-AUX20, RMC-AUX22, RMC-AUX40
DI - Suppressor	RMC-DI
MBL - Mechanical interlock	RMC-MBL
RC - Suppressor	RMC-RC1, RMC-RC2



fig. 1. Wiring diagram

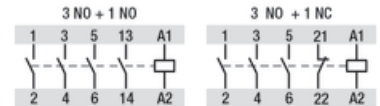


fig. 2. Electrical endurance

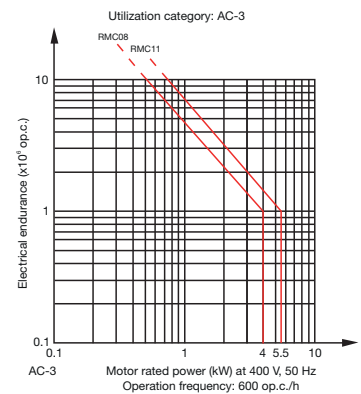
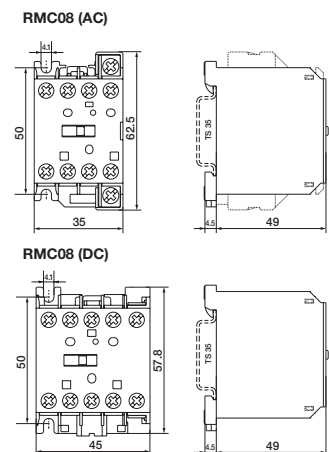


fig. 3. Dimensions (mm)



## Technical approvals, conformities

Standards IEC/EN 60947

