

**RSC43**

**Industrial Contactor | 5 pole | 43 A | 22 kW**

**Main circuit**

Contact material	AgNiO <sub>2</sub>
Rated voltage	1000 V
Rated current AC-1	75 A
Rated current AC-3	43 A, 400 V
Rated current DC-1	6 A, 220 V DC
Minimum contact load	50 mA, 17 V
Overload current	344 A (10 s)
Rated load AC-1, 400 V	56 kW
Rated load AC-3, 400 V	22 kW
Mechanical endurance (cycles)	≥ 3 x 10 <sup>6</sup>
Electrical endurance at rated load AC-1 (cycles)	≥ 2 x 10 <sup>5</sup>
Electrical endurance at rated load AC-3 (cycles)	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	≤ 300

**Control circuit**

Nominal voltage	24 V AC, 230 V AC
Operating voltage range	0.85 ... 1.1 U <sub>N</sub>
Typ. pick-up voltage	≤ 0.85 U <sub>N</sub>
Typ. release voltage	≥ 0.2 U <sub>N</sub> AC
Pick-up time	10 ... 20 ms
Release time	8 ... 15 ms
Power consumption AC	10 VA
Rated frequency	50 / 60 Hz

**Insulation**

Rated insulation voltage	1000 V
Rated impulse withstand voltage	6 kV
Pollution degree	3
Overvoltage category	III
Clearance of open contact	3.6 mm

**General data**

Ambient temperature storage	-30 ... 80 °C
Ambient temperature operation open contact	-20 ... 60 °C
Ambient temperature operation close contact	-20 ... 45 °C
Conductor cross section Control / Main Circuit	2.5 mm <sup>2</sup> / 35 mm <sup>2</sup>
Nominal screw torque Control / Main Circuit	0.8 Nm / 4 Nm
Module width	fig. 3
Weight	930 g
Protection degree	IP 20
Housing material	PA 66

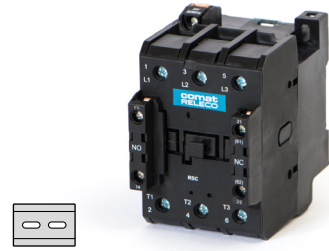
**Product references**

Main circuit	Product reference	24	230
3 NO + 1 NO + 1 NC	RSC43-310/AC...V	✓	✓

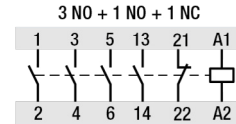
"..." list control circuit voltage to complete product references  
 Other voltages on request. Please contact support@comatreleco.com

**Accessories**

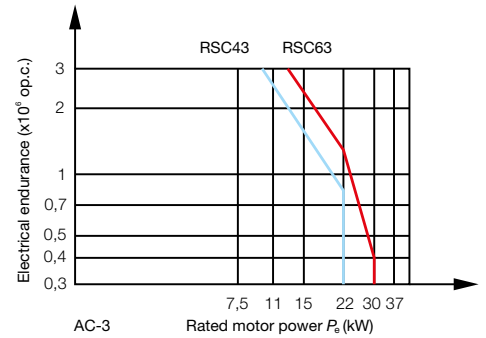
Auxiliary module	RSC-AUX
RC - Suppressor	RSC-RC
DI - Suppressor	RMC-DI
MBL - Mechanical locking	RSC-MBL2



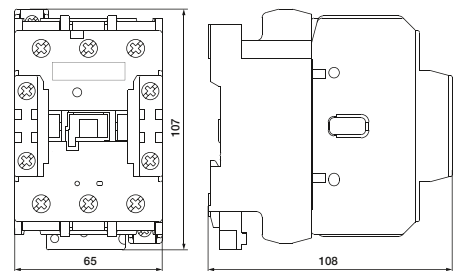
**fig. 1. Wiring diagram**



**fig. 2. Electrical endurance**



**fig. 3. Dimensions (mm)**



**Standards and approvals**

Standards IEC/EN 60947

Approvals