

RT Series

Schrack RT series plug-in relays are available in 1 pole and 2 pole versions and are suitable for a large range of control panels and mechanical engineering applications.

The RT relays are available with a wide range of AC and DC coil voltages and have silver alloy contacts ensuring a high switching current capability and a reliable, long operational life.

Relay bases with self opening rising clamp terminals and captive screws are available for mounting to 35mm DIN rail.

Models Available

RTD14 Schrack 1 Pole Plug-in Relay

RTE24 Schrack 2 Pole Plug-in Relay

Product Features

- 1 pole or 2 pole changeover contacts
- 16 Amp contact rating (1 pole)
- 8 Amp contact rating (2 pole)
- Cadmium-free contacts
- Choice of DC or AC coils
- Sensitive 400mW coil
- Protection class II (VDE 0700)
- 5mm pinning
- 5kV / 10mm coil-contact
- DIN rail mounting base available
- Approvals



For use in control panels and mechanical engineering applications

Specification - Relay

Contact Configuration:

- 1 pole or 2 pole changeover contacts

Contact Voltage Rating:

- 250Vac/30Vdc (Maximum 440Vac)

Rated Current (1 pole / 2pole):

- 16A / 8A (make current 30A / 15A)

Rated Breaking Capacity:

- 4000VA (1 pole), 2000VA (2 pole)

Contact Material:

- AgNi 90/10

Mechanical Life:

- > 5,000,000 operations

Electrical Life:

- 30,000 operations

Maximum Switching Rate:

- Mechanically 72000 operations/hour
- Full load 360 operations/hour

Test Voltage:

- coil-contact 5.0kV rms 50Hz / 1 min
- pole-pole 2.5kV rms 50Hz / 1 min
- contact-contact 1.0kV rms 50Hz / 1 min

Enclosure Code:

- IP50

Operate/Release/Bounce Time:

- 7ms / 3ms / 3ms

Operating Temperature:

- DC: -40°C to 85°C, AC: -40°C to 70°C

Weight:

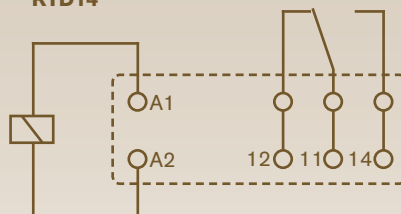
- 14 grams

Markings:

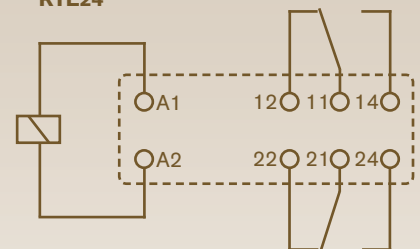
- CE marked

Connections

RTD14



RTE24

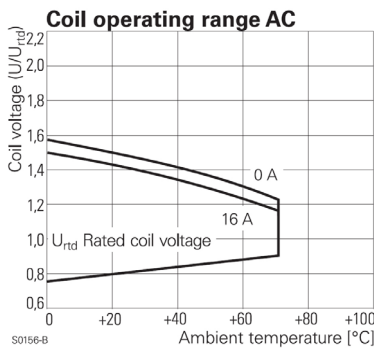
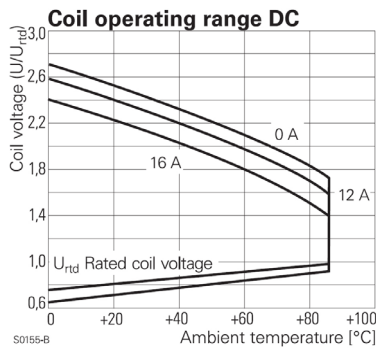
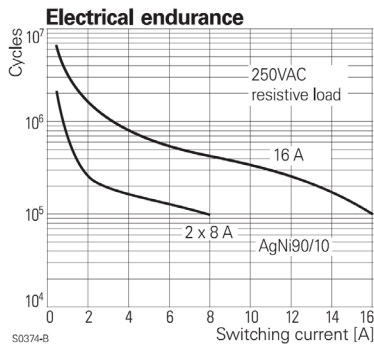
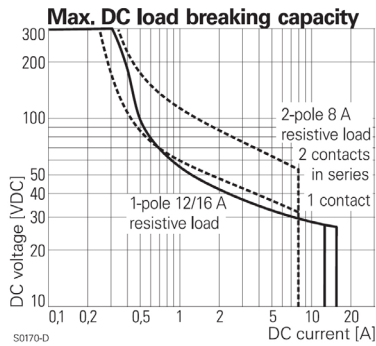


View on pins

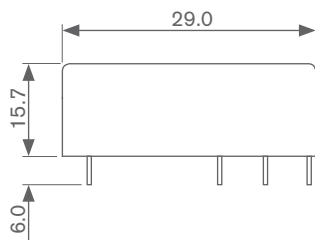
Coil Data

Coil Code	Nominal Voltage	Pull In Voltage	Release Voltage	Coil Resistance	Coil Current
012	12Vdc	8.4Vdc	1.2Vdc	360Ω ± 10%	33.3mA
024	24Vdc	16.8Vdc	2.4Vdc	1440Ω ± 10%	16.7mA
048	48Vdc	33.6Vdc	4.8Vdc	5520Ω ± 10%	8.7mA
110	110Vdc	77.0Vdc	11.0Vdc	26600Ω ± 12%	4.1mA
524	24Vac	18.0Vac	7.2Vac	350Ω ± 10%	31.6mA
615	115Vac	86.3Vac	34.5Vac	8100Ω ± 15%	6.6mA
730	230Vac	172.5Vac	69.0Vac	32500Ω ± 15%	3.2mA

Performance Graphs



Relay Dimensions



All dimensions in mm

Ordering information

Code	Relay/Base Type	Voltage
RTD14	1 Pole 16 Amp Plug-in Relay	-
RTE24	2 Pole 8 Amp Plug-in Relay	-
012	-	12Vdc
024	-	24Vdc
048	-	48Vdc
110	-	110Vdc
524	-	24Vac
615	-	115Vac
730	-	230Vac
RT78625	RT Relay DIN Rail Mounting Base	-
Example	RTE24	024
	with RT78625	

Specification - Relay Base

Rated Current:

- 6A (1 pole), 2x12A (2pole)

Rated Voltage:

- 300Vac

Test Voltage:

- coil-contact 4.0kV rms 50Hz / 1 min

Operating Temperature:

- -25°C to 80°C

Enclosure Code:

- IP20

Protection Against Accidental Contact:

- VBG 4

Mounting:

- To 35mm DIN rail (DIN-EN 50022)

Wire Cross Section:

- 2 x 2.5mm²

Weight:

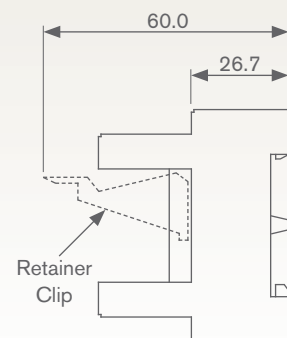
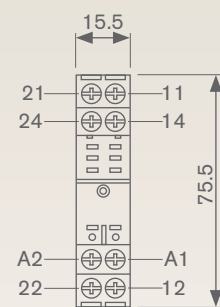
- 40 grams

Markings:

- CE marked

Specification subject to change without notice.

Relay Base Dimensions



All dimensions in mm