



MT Series

Schrack MT series plug-in relays are available in octal (2 pole) and 11 pin (3 pole) versions and are suitable for a large range of engineering and plant control applications.

The MT 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. Additional optional extras for the Schrack relays are available including retaining clips, protection diodes and LED modules - please contact sales for further information.

Models Available

MT2 Schrack Octal 2 Pole Plug-in Relay

MT3 Schrack 11 Pin 3 Pole Plug-in Relay

Product Features

- 2 pole or 3 pole changeover contacts
- 10 Amp contact rating
- Cadmium-free contacts
- Choice of DC or AC coils
- Mechanical indicator
- Push to test and latch system
- White write-on panel
- DIN rail mounting base available
- Approvals



For mechanical engineering and plant control applications

Specification - Relay

Contact Configuration:

- 2 pole or 3 pole changeover contacts

Contact Voltage Rating:

- 250Vac/30Vdc (Maximum 440Vac)

Rated Current:

- 10A ac/dc (make current 20A)

Rated Breaking Capacity:

- 2500VA

Contact Material:

- AgNi 90/10

Mechanical Life:

- > 20,000,000 operations

Electrical Life:

- 100,000 operations

Maximum Switching Rate:

- Mechanically 6000 operations/hour
- Full load 1000 operations/hour

Test Voltage:

- coil-contact 2.5kV rms 50Hz / 1 min
- pole-pole 2.5kV rms 50Hz / 1 min
- contact-contact 1.5kV rms 50Hz / 1 min

Enclosure Code:

- IP50

Operate/Release/Bounce Time:

- 12ms / 5ms / 4ms

Operating Temperature:

- DC: -45°C to 60°C, AC: -45°C to 50°C

Weight:

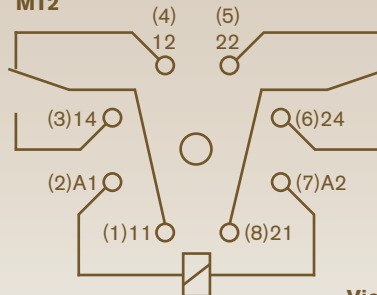
- 80 grams

Markings:

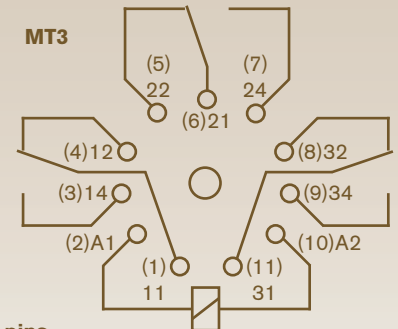
- CE marked

Connections

MT2



MT3

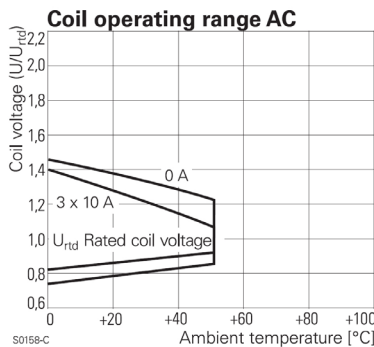
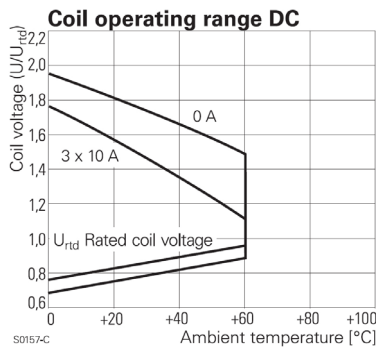
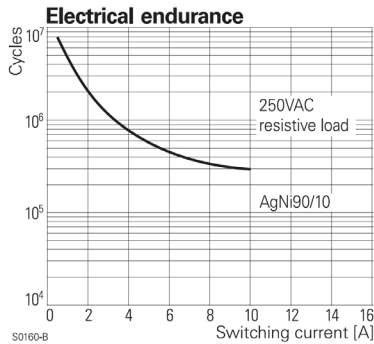
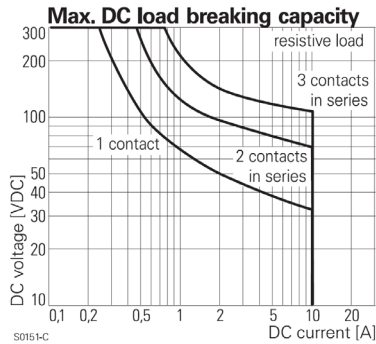


View on pins

Coil Data

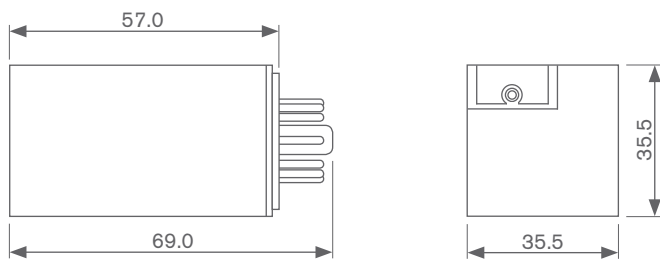
Coil Code	Nominal Voltage	Pull In Voltage	Release Voltage	Coil Resistance	Coil Current
1012	12Vdc	9.0Vdc	1.2Vdc	110Ω ± 10%	109.1mA
1024	24Vdc	18.0Vdc	2.4Vdc	475Ω ± 10%	50.5mA
1048	48Vdc	36.0Vdc	4.8Vdc	2000Ω ± 10%	24.0mA
1110	110Vdc	82.5Vdc	11.5Vdc	10000Ω ± 12%	11.0mA
6012	12Vac	9.6Vac	4.8Vac	24Ω ± 10%	182.5mA
6024	24Vac	19.2Vac	9.6Vac	86Ω ± 10%	94.2mA
6048	48Vac	38.4Vac	19.2Vac	345Ω ± 10%	47.5mA
6115	115Vac	92.0Vac	46.0Vac	2000Ω ± 10%	20.6mA
6230	230Vac	184.0Vac	92.0Vac	8300Ω ± 12%	10.1mA

Performance Graphs



Relay Dimensions

MT2 & MT3 Relays



All dimensions in mm

Ordering information

Code	Relay/Base Type	Voltage
MT22	Octal 2 Pole Plug-in Relay	-
MT32	11 Pin 3 Pole Plug-in Relay	-
1012	-	12Vdc
1024	-	24Vdc
1048	-	48Vdc
1110	-	110Vdc
6012	-	12Vac
6024	-	24Vac
6048	-	48Vac
6115	-	115Vac
6230	-	230Vac
MT78755	Octal Relay DIN Rail Mounting Base	-
MT78750	11 Pin Relay DIN Rail Mounting Base	-
Example	MT22	6230
	with MT78755	

Specification - Relay Base

Rated Current:

- 10A

Rated Voltage:

- 400Vac

Test Voltage:

- coil-contact 3.0kV 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:

- 60 grams

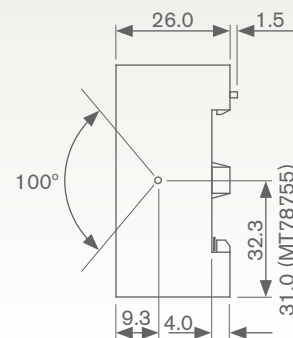
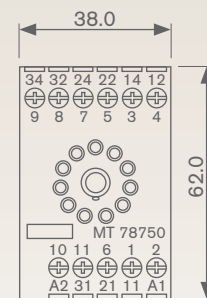
Markings:

- CE marked

Specification subject to change without notice.

Relay Base Dimensions

MT78755 & MT78750 Relay Bases



All dimensions in mm