



SNR Relays

Schrack SNR relays are single pole, measure only 6mm wide and are suitable for a large range of heating control, timer, plc and interface technology applications.

The SNR relays are available with a 35mm DIN rail mounting base as a complete module in 12, 24 or 48Vdc and 110 or 230Vac versions.

The SNR relays have silver alloy contacts ensuring a high switching current capability and a reliable, long operational life.

The relay bases have self opening rising clamp terminals and captive screws.

Models Available

- SNR12** SNR 12Vdc Relay Module
- SNR24** SNR 24Vdc Relay Module
- SNR48** SNR 48Vdc Relay Module
- SNR110** SNR 110Vac Relay Module
- SNR230** SNR 230Vac Relay Module

Product Features

- 1 pole changeover contact
- 6 Amp contact rating
- Cadmium-free contacts
- Choice of DC coils
- Sensitive 170mW coil
- Protection class II (VDE 0700)
- 4kV coil-contact
- 6/8mm clearance/creepage
- DIN rail mounting base available
- Approvals



For use in heating control, timers, plc's and interface technology applications

Specification - Relay

Contact Configuration:

- 1 pole changeover contact

Contact Voltage Rating:

- 250Vac/30Vdc (Maximum 440Vac)

Rated Current:

- 6A

Rated Breaking Capacity:

- 1500VA

Contact Material:

- AgSnO₂

Minimum Contact Load:

- > 100mA at 12Vdc, > 10mA at 5Vdc

Maximum Switching Rate:

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

Test Voltage:

- coil-contact 4.0kV rms 50Hz / 1 min
- contact-contact 1.0kV rms 50Hz / 1 min

Enclosure Code:

- IP67

Operate/Release Time:

- 5ms / 2.5ms

Bounce Time:

- 1.5ms / 5ms (N/O / N/C)

Operating Temperature:

- -40°C to 85°C

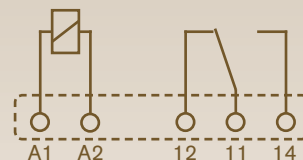
Weight:

- 6 grams

Markings:

- CE marked

Connections



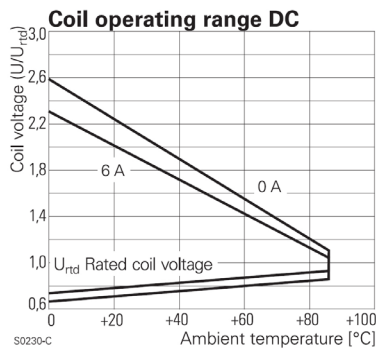
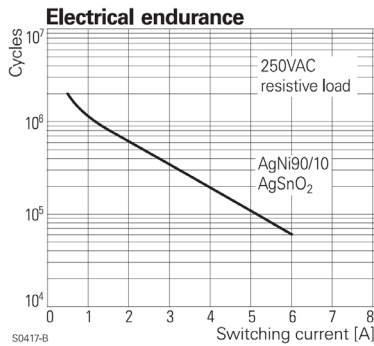
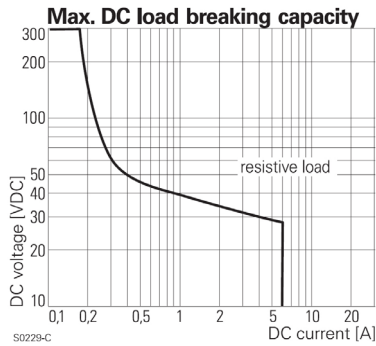
[View on pins](#)

Coil Data

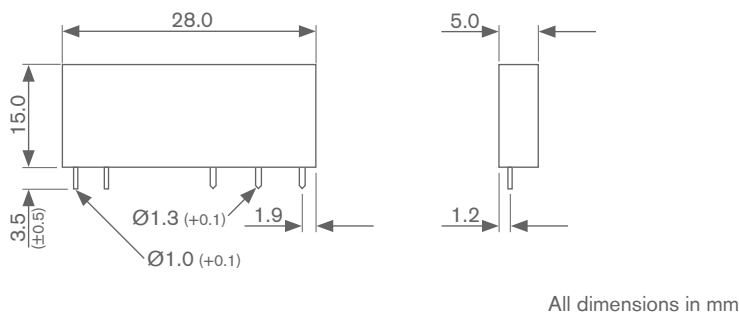
Coil Code	Nominal Voltage	Pull In Voltage	Release Voltage	Coil Resistance	Coil Current
012	12Vdc	8.4Vdc	0.6Vdc	848Ω ± 10%	14.2mA
024	24Vdc	16.8Vdc	1.2Vdc	3390Ω ± 10%	7.1mA
048	48Vdc	33.6Vdc	2.4Vdc	10600Ω ± 15%	4.5mA
060*	60Vdc	42.0Vdc	3.0Vdc	20500Ω ± 15%	2.9mA

* Note: The 110Vac and 230Vac modules use the 60Vdc relay

Performance Graphs



Relay Dimensions



Ordering information

Code	Relay/Base Type
SNR12	1 Pole 6 Amp 12Vdc Relay Module
SNR24	1 Pole 6 Amp 24Vdc Relay Module
SNR48	1 Pole 6 Amp 48Vdc Relay Module
SNR110	1 Pole 6 Amp 110Vac Relay Module
SNR230	1 Pole 6 Amp 230Vac Relay Module

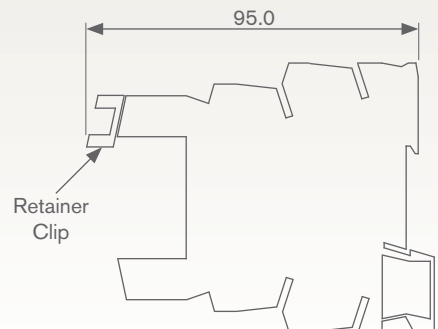
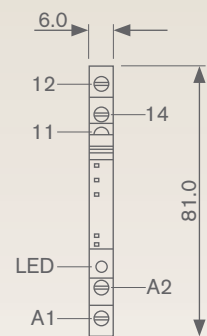
Example **SNR24**

Specification - Relay Base

- Rated Current:**
 - 6A
- Rated Voltage:**
 - 250Vac
- Test Voltage:**
 - coil-contact 4.0kV rms 50Hz / 1 min
- Operating Temperature:**
 - -25°C to 55°C
- Enclosure Code:**
 - IP20
- Protection Against Accidental Contact:**
 - VBG 4
- Mounting:**
 - To 35mm DIN rail (DIN-EN 50022)
- Wire Cross Section:**
 - 0.22 to 2.5mm²
- Weight:**
 - 30 grams
- Markings:**
 - CE marked

Specification subject to change without notice.

Relay Base Dimensions



All dimensions in mm