

## PCB power relays

Order code	Manufacturer code	Description
60-4130	n/a	12V SCHRACK RY2 8A SPCO RELAY
60-4132	n/a	24V SCHRACK RY2 8A SPCO RELAY

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

## Low profile SPDT relay 8A



### Features:

- Continuous current rating 8A
- Sensitive coil 220-245mW – Pull in power approx. 95mW
- Low height (12mm)
- Insulation category C/250 (VDE 0110)
- Dielectric strength 5kV
- Sealed design with vent hole (to IEC 68/2-17)

### Specifications:

#### Contacts:

Number (configuration):	1 C/O
Type of contact:	Single contact
Rated voltage/maximum break voltage:	250/440 VAC
Rated current:	8A
Make current:	30A
Rated breaking capacity:	2000VA
Contact material:	AgCdO, Ag Ni 0.15, Ag Ni 0.15 gold plated, AgSnO

#### Coil:

Rated voltage:	5 – 48 VDC
Rated coil capacity:	0.22 approx. W
Additional information:	Refer to coil data

#### General data:

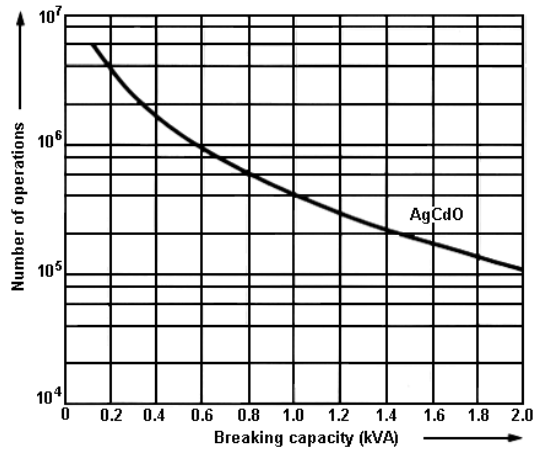
Mechanical life:	>30 x 10 <sup>6</sup> ops.
Maximum switching rate (mechanical):	72000 ops/h
Maximum switching rate at rated load:	360 ops/h
Operate (pick-up)/release (drop-out) time:	7/2 approx. ms
Bounce time N/O – N/C:	1/4
Dielectric strength: coil-contact:	5000VAC
contact-contact:	1000VAC
Creepage/clearance coil-contact:	≥ 8/8mm
Ambient temperature:	- 40 to + 70°C (85°C at 6A)
Insulation category at rated voltage to VDE 0110:	C/250
Isolation resistance at 500VDC:	> 10 <sup>4</sup> MΩ
Solder bath temperature:	260 max. °C
Solder time:	5 max. s
Vibration resistance (10 – 100Hz) N/O – N/C:	>20/15 g
Shock resistance:	>100 g

#### Coil data:

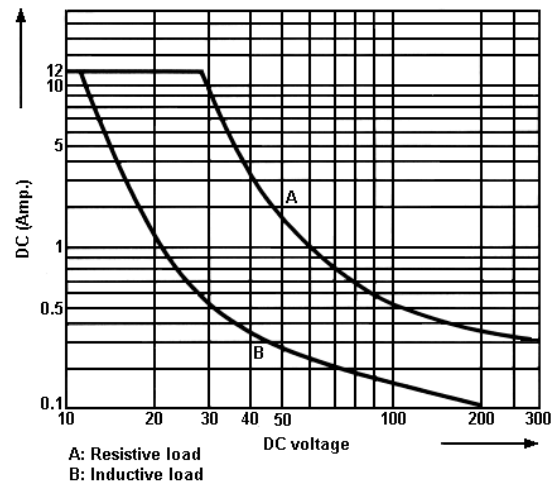
Coil data	Rated voltage	Operate (pull-in) voltage	Drop-out (release) voltage	Coil current	Coil resistance
	VDC	VDC	VDC	mA	Ω
005	5	3.5	0.5	44.0	113 ±10%
006	6	4.2	0.6	36.7	164 ±10%
012	12	8.4	1.2	19.4	617 ±10%
024	24	16.8	2.4	10.2	2350 ±10%
048	48	33.6	4.8	5.0	9600 ±15%

Schrack part no.	Coil	Resistance
RY610012	12V DC	620Ω
RY610024	24V DC	2350Ω

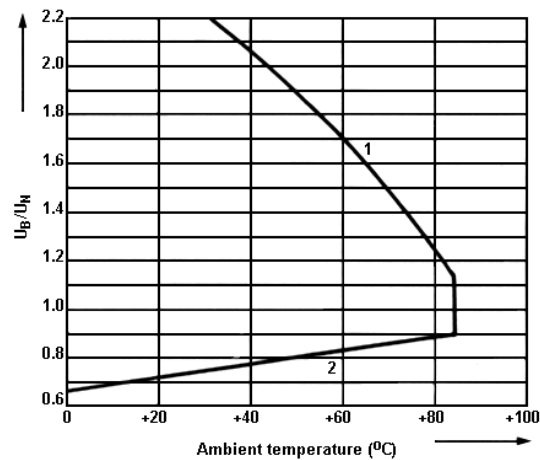
**Contact life for resistive AC load:**



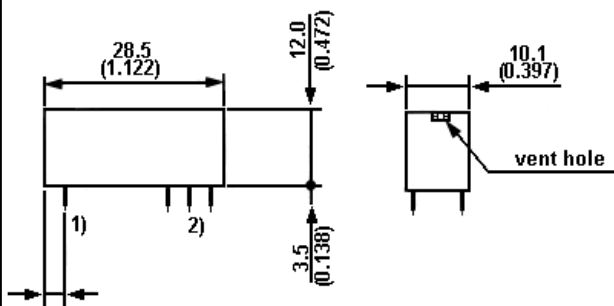
**Max. DC load breaking capacity:**



**Coil operating range:**



**Dimensions:**



**P.C layout**

