

ISKRA 8 PIN DPCO & 11 PIN 3PCO, 10 AMP RATED RELAYS



**TYPES: TRP6825/AC VOLTS, TRP6820/DC VOLTS (dpcO)
TRP6935/AC VOLTS, TRP6930/DC VOLTS (3pcO)**

FEATURES

- LED indication
- Flag indication
- Test button
- DC coils with integral diode protection
- Optional gold flashed contacts
- CE marked
- VDE & SEMKO approved
- UL & CSA approved



DESCRIPTION & MODE OF OPERATION

A high quality range of CE marked traditional pin out 8 pin DPCO and 11 pin 3PCO plug in relays, nominally rated at 10 Amps/250VAC. The relays benefit from every customer required option as standard, namely both mechanical and electrical indication via a mechanical flag and a high intensity LED. DC coil relays also have included within the relay a protection diode fitted across the coil as standard. The relays can be manually tested by a momentary action push button. Coil voltages available are from 6VDC to 220VDC and 6VAC to 230VAC. Clearly marked on the relay case are the connection details, approvals and the CE mark.

IMPORTANT NOTE

With regards coil connection on DC coil relays which have both a protection diode and LED fitted as standard, coil polarity matters (+A1, 13) (-A2, 14).

COIL DATA

Coil rated voltage Un(V)DC/AC	coil resistance at 20°C Rn(Ω) +/- 10%		Operative voltage range at 20°C		
	DC	AC	Operate Uop < (V)	Umax DC < (V)	Umax AC < (V)
6	28	5.7	4.8	9.0	9.5
12	110	25	9.6	18	19
24	440	100	19.2	36	38
48	1740	400	38.4	73	76
60	2750	630	48	91	95
110	9000	2000	88	168	174
220	39000	8800	184	351	365

CONTACT DATA

- Contact material:** AgCd010
Rated current: 10A
Max make current: 20A
Max operating voltage: 250VAC/DC
Max switching power: 2500VA 400W
Min switching load: 6V 100mA
Contact resistance: <100 mΩhm
Max operating frequency: 1000 ops/hr at rated load, 36000 ops/hr at min load
Mechanical life: >100 Million ops

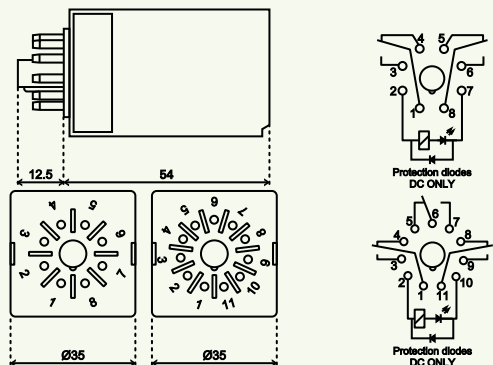
ORDERING INFORMATION

TYPE	COIL VOLTAGE
8 PIN DPCO	
TRP6825	6VAC, 12VAC, 24VAC, 48VAC, 60VAC, 110VAC, 230VAC
TRP6820	6VDC, 12VDC, 24VDC, 48VDC, 60VDC, 110VDC, 220VDC
11 PIN 3PCO	
TRP6935	6VAC, 12VAC, 24VAC, 48VAC, 60VAC, 110VAC, 230VAC
TRP6930	6VDC, 12VDC, 24VDC, 48VDC, 60VDC, 110VDC, 220VDC

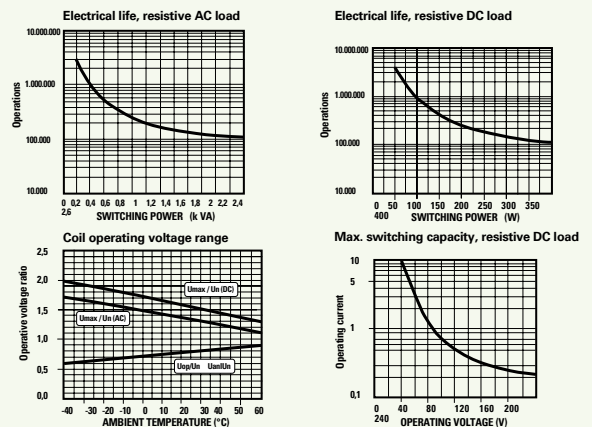
ADD SUFFIX "GF" AFTER PART NUMBER FOR GOLD FLASHED CONTACTS

Socket see page 105 for full details.

DIMENSIONS



PERFORMANCE GRAPHS



GENERAL DATA

- Rated Power Pull In:** DC 1W; AC 2VA
Rated Power in Operation: DC 0.8W; AC 1.2VA
Operate voltage: Uop < 80% Un
Release voltage: Ure > 10% Un (DC), Ure > 15% Un (AC)
Max coil temperature: 155°C
Test voltage (1 min) contact coil: >2KVrms 50Hz
Contact contact: >1KVrms 50Hz
Between contact sets: >2KVrms 50Hz
Operate time: <15ms
Release time: <15ms
Bounce time: <5ms
Vibration resistance (10-55Hz): 3gn
Shock resistance (11 ms) functional: 10gn
Shock resistance (11 ms) destructive: 100gn
Ambient temperature for operating: -25°C to +40°C
Ambient temperature for storage: -40°C to +80°C
Protection degree: IP50, IEC529
Mounting position: As desired
Relay weight: 85g