



- Miniature - only 17.5 x 6.5 x 12.5mm
- High switching capacity 150W, 1250VA
- High sensitivity 200mW Coils



ROHS
Compliant ✓

Contacts

Contact arrangement	SPST-NO (1 Form A)	
Contact material	AgSnO ₂	
Max. switching voltage	AC/DC	250VAC, 30VDC
Min. breaking capacity	10mA/5VDC	
Rated load (resistive - cos φ=1)	AC1	5A/250VAC
	DC1	5A/30VDC
Max. switching power	1250VA / 150W	
Initial resistance	≤ 100mΩ, max. at 1A/24VDC	

Coil

Rated voltage	DC	5...24V
Must release voltage	≥0.10Un	
Operating range	See Table 1	
Rated power consumption	DC	200mW

Insulation

Insulation resistance	100MΩ at 500VDC, 50%RH	
Dielectric strength	coil to contact	3000Vrms, 1min (50Hz); 6000Vrms surge
	contact to contact	750Vrms, 1min (50Hz)

General Data

Operating time	typ.	10ms
Release time	typ.	5ms
Electrical life	ops.	1 x 10 ⁵
Mechanical life	ops.	2 x 10 ⁷

Environmental

Ambient temperature	operating	-25 to +70°C
	storage	-25 to +70°C
Shock resistance	functional	100m/s ² 11ms
	destructive	1000m/s ² 6ms
Vibration resistance	10-55Hz DA 1.5mm	
Dimensions	L x W x H	17.5 x 6.5 x 12.5mm
Weight	approx.	≤14g

Ordering Code

D G 6 D - 3 0 2 1 - 3 5 - 1 0 1 2

Series

Coil code:

See table 1

Contact material

30: AgSnO₂

Contact arrangement

21: SPST-NO (1 N/O)

Environmental protection

3: In cover, sealed - IP67

Mounting & terminations

5: For PCB

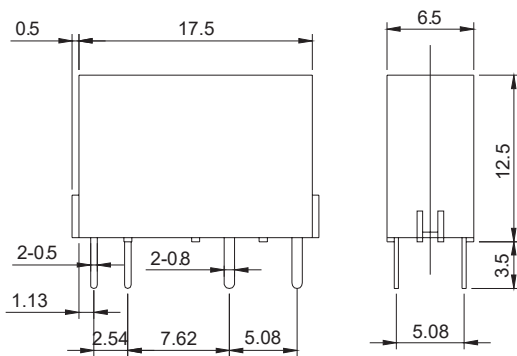
Coil Data (at 20°C)

Table 1

Coil code	Nominal voltage (VDC)	Coil resistance (Ω) ±10%	Power consumption (mW)	Must operate Voltage max. (VDC)	Must release voltage min. (VDC)	Max. allowable voltage (VDC)
1005	5	125	200	3.75	0.50	6.5
1012	12	720	200	9.00	1.20	15.6
1024	24	2880	200	18.00	2.40	31.2

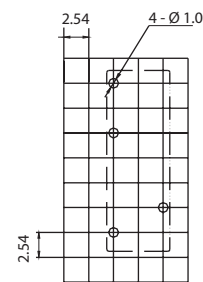
Dimensions mm

Fig. 1



PCB Mounting Dimensions mm

Fig. 2



Bottom view