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Hard copy product catalogues, and CDROMs have been published describing Kuhnke Pneumatics, Solenoids, Relays and Electronics; some divided into different books. A list of current publications is available on this web site or from our sales offices. Some may be available for download, but as substantially larger files.

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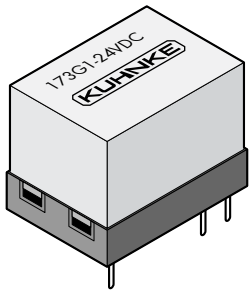
Important Note

PCB Relay 173

- Standard type /
- Immunity to flux
- 1 C/O 5 A
- Insulation group C250



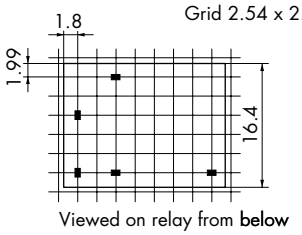
Order Code

Order code	173	G	1	–	24 V	DC
Type of relay	173					
Model						
G For printed circuit		G				
Contact arrangement						
1 C/O			1			
Nominal operation coil voltage (see coil data)						
24 V					24 V	
Coil current type						
DC Direct current						DC

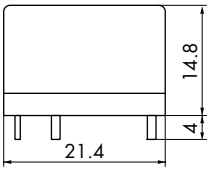
Contact Data

	173G1
Contact arrangement	1 C/O
Type of contact	Single contact
Contact material	AgNi, gold-plated
Nominal contact current	5 A
Inrush current	≤ 5 A
Nominal contact voltage	150 VDC / 250 VAC
Max. switching capacity (resistive)	120 W / 960 VA
Min. switching capacity	10 mA / 5 VDC

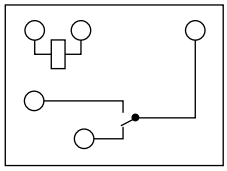
Dimensions, Connection Diagram(s)



Viewed on relay from **below**



Hole diameter 1.2 mm



Top view

General Data

	173G1
Pull-in-time	approx. 7 ms
Drop-out time	approx. 4 ms
Bounce time	approx. 2 ms
Mechanical service life	> 20 x 10^6 switching cycles
Test voltage	
Coil - contact	2000 VAC
Contact - contact	750 VAC
Insulation group VDE 0110b/2.79	C250
Ambient temperature	-30 °C to +70 °C
Vibration resistance (30 - 100 Hz)	> 10 g
Weight	approx. 8 g
Operating range	Class 1 (0.8 – 1.1 U_N)
Pull-in	
after coil excitation with U_N at T_U	20 °C
Drop-out	> 0.05 U_N

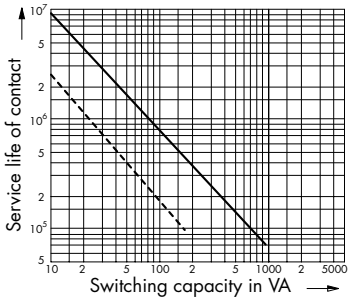
Coil Data

Coil voltage DC	Nominal operation coil power approx. 0.45 W Pull-in power approx. 0.22 W	
Nominal voltage (V)	Nominal resistance (Ω)	Nominal current (mA)
5	56	89
12	320	38
24	1280	19

Electrical Service Life

Electrical Service Life AC

90 % operation
——— resistive load
- - - - - inductive load
cos φ = 0.4 ... 0.7



Switching Capability DC

Below limiting characteristics: service life of contacts
1 x 10^6 switching cycles (90 % operation)
resistive load