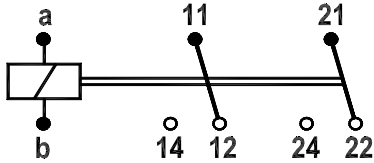


Datasheet MINIATURE INSTANTANEOUS RELAY

Products **CU-G/ CU-U**

Country of Origin: The Netherlands

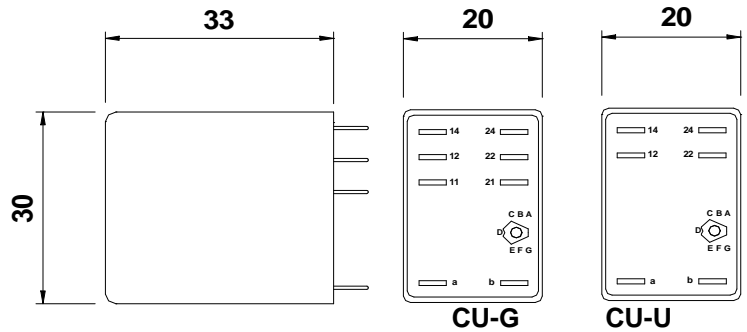
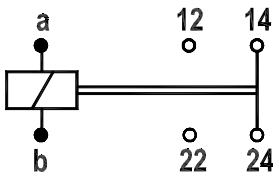
Connection Diagram CU-G



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Connection Diagram CU-U



Description

CU-U is a miniature plug-in relay with one double-make, double break contact.
CU-G is a miniature plug-in relay with two change-over contacts.
Both are very sensitive and CU-G has a high insulation because of flash barrier.
CU-G relays have forced contacts, so the contacts cannot have a different position.
Both are also available in PCB-version (CP-G and CP-U)

Coil Data

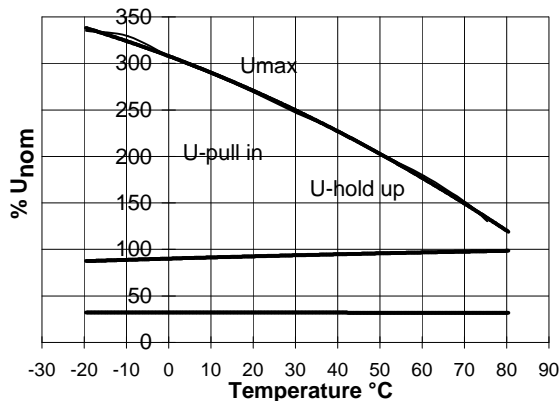
Operating times at nominal voltage

pull-in time	15 ms	release time	4 ms
bounce time NO contacts	1 ms	bounce time NC contacts	1 ms

Coil consumption	0.4 W at U_{nom}	Inductance at U_{nom} L/R =	6 ms
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Hold-up voltage	10 % U_{nom}
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Operating range at various temperatures



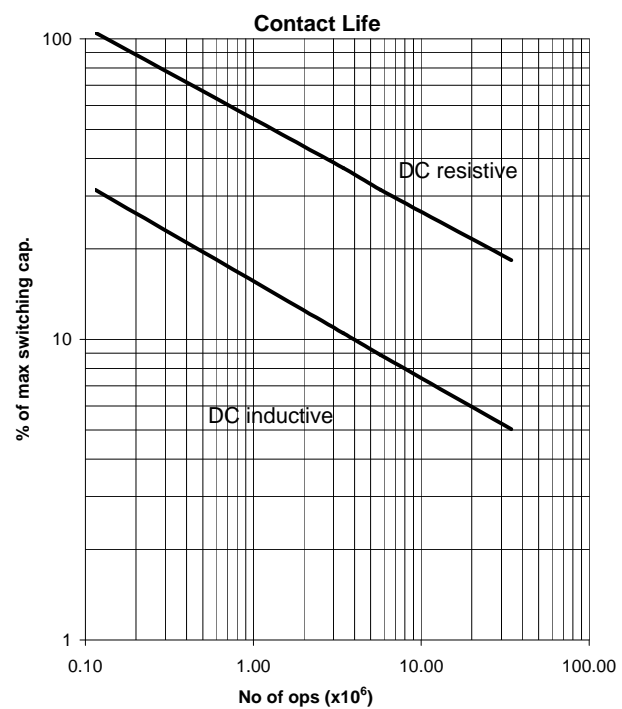
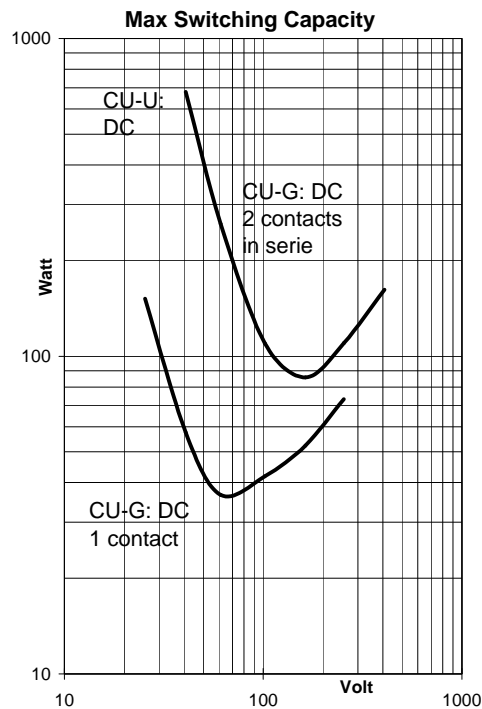
Nominal voltages

U_{nom} DC	Resistance	Type
6 V	108 Ohm	CU-G44 / CU-U44
9.3 V	230 Ohm	CU-G41 / CU-U41
12 V	400 Ohm	CU-G38 / CU-U38
15 V	600 Ohm	CU-G36 / CU-U36
19 V	900 Ohm	CU-G34 / CU-U34
24 V	1550 Ohm	CU-G32 / CU-U32
30 V	2500 Ohm	CU-G30 / CU-U30
38 V	3800 Ohm	CU-G28 / CU-U28
48 V	6100 Ohm	CU-G26 / CU-U26
60 V	9300 Ohm	CU-G24 / CU-U24
75 V	1500 Ohm	CU-G22 / CU-U22

Other types on request

Contact data				
Max. Make Current		15 A	Material	Ag+0.2µm Au
Max. Cont. Current	CU-G	6 A (AC1 ; IEC 947)	Contact gap	0.3 mm
	CU-U	8 A (AC1 ; IEC 947)	Insulation between open contacts	1 kV; 50 Hz; 1 min
Max. Switching Voltage	DC	300 V, 300 mA	Contact force	> 20 cN
	AC	250 V, 2.6 A		
Min. Switching Voltage	CU-U	8V/2mA/0.2W-VA	Note : CU-G contacts cannot have a different position. (Forced contacts, Weld no transfer)	
	CU-G	4V/2mA/0.1W-VA		
Max. Contact Resistance		15 milli Ohm		

Maximum Switching Capacity and Contact life



General Data

Dielectric strength

Cont-Coil	CU-U		4.5 kV, 50 Hz
	CU-G	IEC 255-5/	3,5 kV, 50 Hz
Pole-Pole	CU-G	IEC 77	4 kV, 50 Hz
Pulse Withstanding		IEC 255-5	5 kV (1.2/50 µs)
Vibration		IEC 77	5 g at 50 Hz
		IEC 571-1	2 g, 10-150 Hz
		IEC 68-2-6	
Shock		IEC 68-2-27	15 g, 11 ms
Mechanical life			30*10 ⁶ ops
Max. Switching Frequency			3600 ops/h
Weight			40 gram
Temperature	T _{amb,max}		+ 70 °C
	T _{amb,min}		- 25 °C
Humidity			90%, temporary permitted condensation
Protection			IP 50
Materials			Polyester
			Makrolon
Electronic Components			not applicable