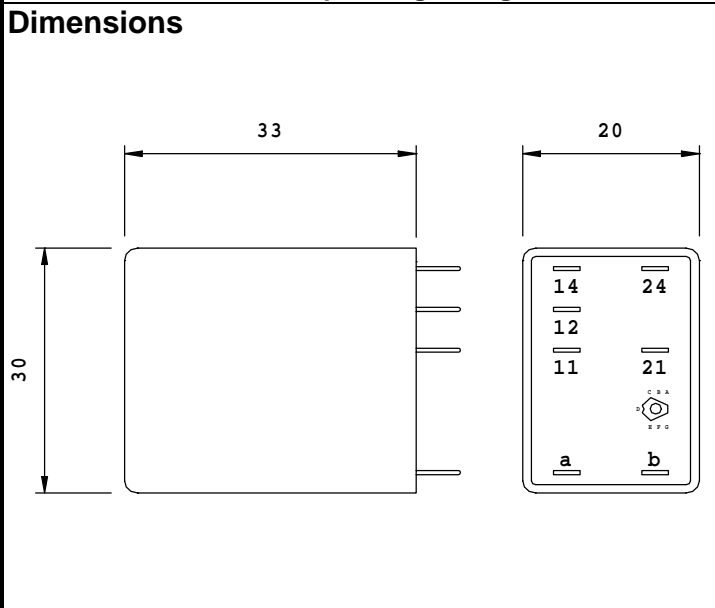


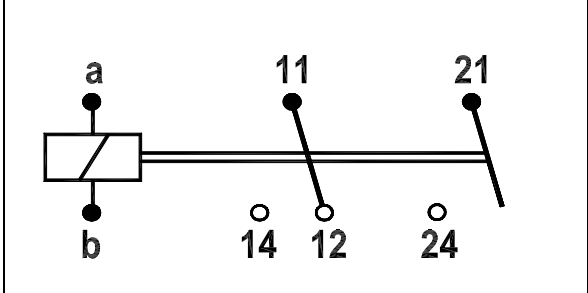
Datasheet MINIATURE INSTANTANEOUS RELAY

Product CU-U200-D series
 Low operating voltage
Country of origin: The Netherlands



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Description

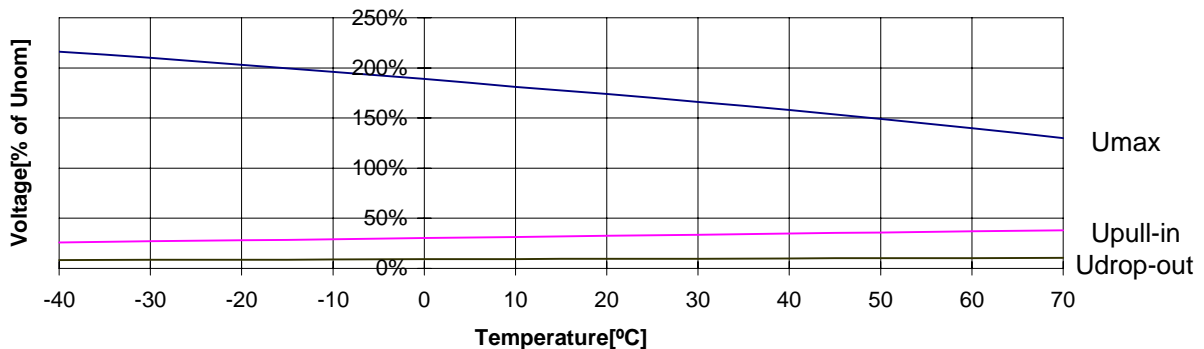
Miniature plug-in railway relay with one change-over contact and one normally-open contact. Extremely sensitive and a high insulation because of flash barrier. The relay has forced contacts, so the contacts cannot have a different position.

Coil Data

Type	U_{nom}	U_{min}	U_{max}	$U_{hold-up}$	R_{coil}
CU-U201-D	24 VDC	9.6 VDC	30 VDC	9.2 VDC	1550 Ω
CU-U202-D	48 VDC	19.2 VDC	60 VDC	18.4 VDC	6100 Ω
CU-U203-D	72 VDC	28.8 VDC	90 VDC	27.7 VDC	12400 Ω
CU-U204-D	110 VDC	44 VDC	137.5 VDC	42.2 VDC	22198 Ω
CU-U205-D	96 VDC	38.4 VDC	120 VDC	36.9 VDC	22198 Ω
CU-U206-D	12 VDC	4.8 VDC	15 VDC	4.6 VDC	400 Ω
CU-U207-D	36 VDC	14.4 VDC	45 VDC	13.8 VDC	3300 Ω

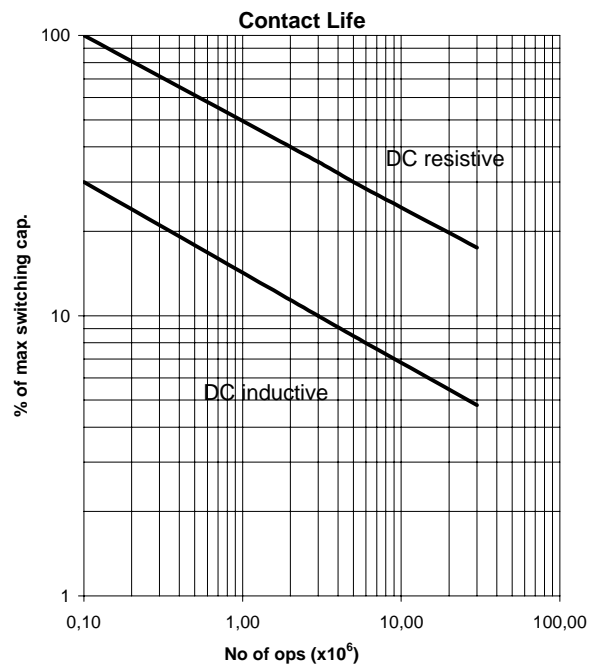
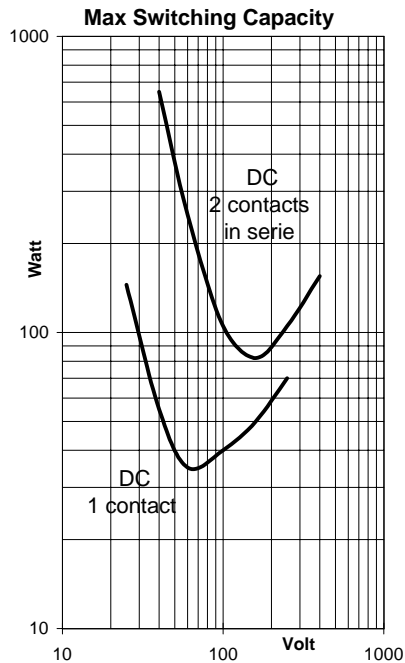
Nom. Consumption	0.4 W at U_{nom}	Inductance at U_{nom} L/R =	6 ms
pull-in time	15 ms	release time	3 ms
bounce time NO contacts	1 ms	bounce time NC contacts	1 ms

Operating range at various temperatures



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

Maximum Switching Capacity



General Data

Dielectric strength	Pole-Pole	IEC 255-5/	3.5 kV, 50 Hz, 1 min
	Cont-Coil	IEC 77	4 kV, 50 Hz, 1 min
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 77	15 g, 11 ms
Mechanical life			30*10 ⁶ ops
Max. Switching Frequency			3600 ops/h
Weight			40 g
Temperature	T _{amb,max}		+70 °C
	T _{amb,min}		-25 °C
Humidity			90%, temporary permitted condensation
Protection			IP 50
Materials			Makrolon
			Polyester
Electronic Components			not applicable