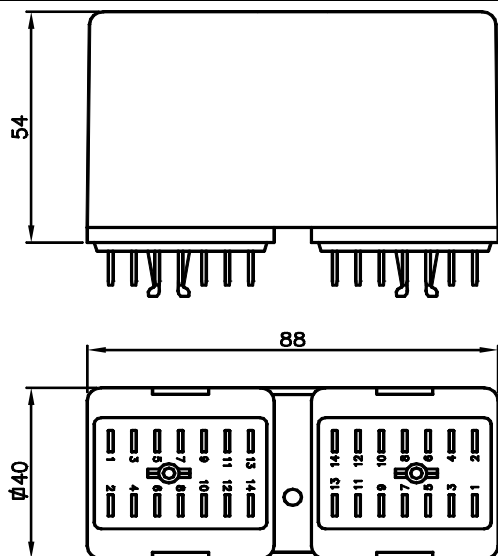


LATCHING RELAY

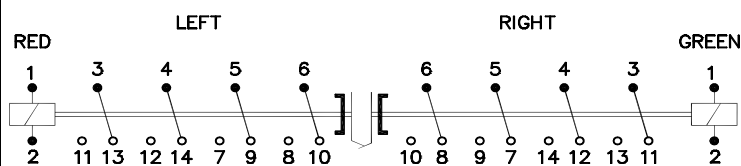
Product	KDN-U200 series 8 pole relay	Country of origin:	The Netherlands
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Dimensions	Company
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The Netherlands
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I www.nieaf-smitt.nl/railway

Connection diagram



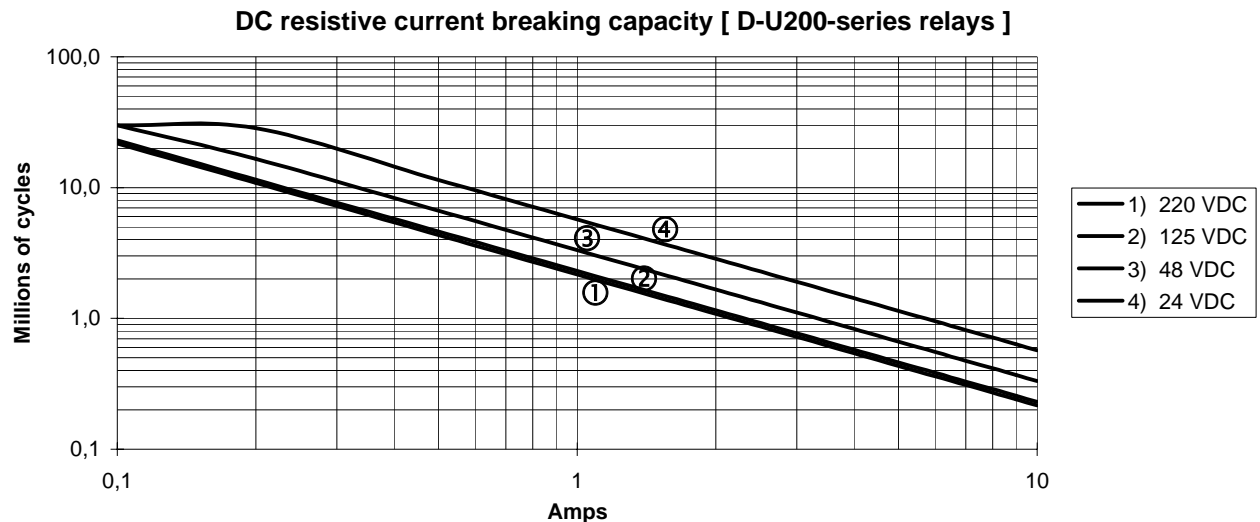
Description

Plug-in mechanically latching relay with eight change-over contacts.
Equipped with magnetic arc blow-out.
Equipped with position indicator.

Coil data

Type	U_{nom}	$U_{pull-in}$	U_{max}	$U_{hold-up}$	R_{coil}	
KDN-U201	24 VDC	16.8 VDC	30 VDC	9.6 VDC	178 Ω	
KDN-U202	48 VDC	33.6 VDC	60 VDC	19.2 VDC	691 Ω	
KDN-U203	72 VDC	50.4 VDC	90 VDC	28.8 VDC	1595 Ω	
KDN-U204	110 VDC	77 VDC	137.5 VDC	44 VDC	4055 Ω	
KDN-U205	96 VDC	67.2 VDC	120 VDC	38.4 VDC	3600 Ω	
KDN-U206	12 VDC	8.4 VDC	15 VDC	4.8 VDC	44 Ω	
KDN-U207	36 VDC	25.2 VDC	45 VDC	14.4 VDC	399 Ω	
Minimum impuls time	50 ms					
Bounce time NO contacts	4 ms			Bounce time NC contacts	8 ms	
Coil consumption	3.2 W at U_{nom}			Inductance	Energized	11 ms
				L/R at U_{nom} = Released		8 ms

Contact data			
Max. make current	16A (200A, 10ms)	Material	silver
Max. cont. current	10 A (AC1 ; IEC 947)	Contactgap	0.7 mm
Max. switching voltage	250VDC, 440VAC	Insulation between open contacts	2.5 kV; 50 Hz;
Min. switching voltage	12 V, 10mA		1 min
Max. contact resistance	15 milli Ohm	Contactforce	> 200 mN
Max. breaking capacity	DC 110 V, 10A (L/R<=15ms) AC 230 V, 10A (cos phi>=0.7)		



Other contact data on request

General data			
Dielectric strength	Pole-Pole	IEC 255-5/	4 kV, 50 Hz, 1 min
	Cont-Coil		2.5 kV, 50 Hz, 1 min
Insulation class		IEC 255-5	serie C 380 V 50Hz/450 VDC
Vibration		IEC 68-2-6	5 g at 50 Hz 2 g, 10-150 Hz
Shock		IEC 68-2-27	15 g, 11 ms
Mechanical life			2*10 ⁶ ops
Max. switching frequency			1200 ops/h
Weight			320 g
Temperature	T _{amb,max}		+70 °C
	T _{amb,min}		-25 °C
Humidity			90%, temporary permitted condensation
Protection			IP 40
Materials			Makrolon
			Polyester
Options			
C	- 40°C maximum current 8A	K	special dust protection
D	back EMF protection diode	N	no magnetic arc blow-out
E	gold plated contacts	Y	double make/double break
Q	double zener diode		

Australian Distributor



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