

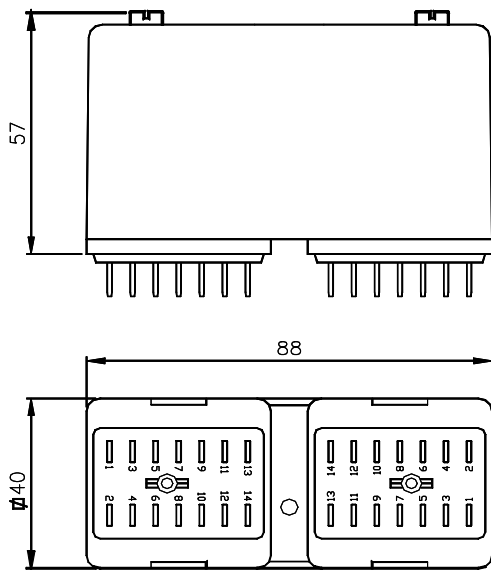
Datasheet

LATCHING RELAY

Product KDN relays

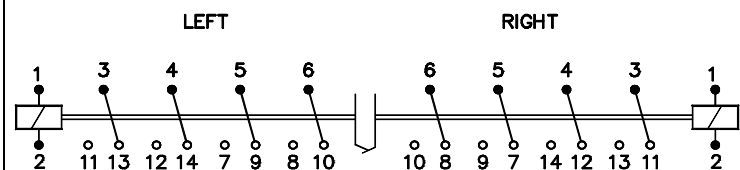
Country of Origin: The Netherlands

Dimensions



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CONNECTION DIAGRAM



Description

Plug-in mechanically latching relay with eight change-over contacts.
Equipped with position indicator.

Coil data

Operating times at nominal voltage

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
	3.5 VA at U_{nom}	L/R at U_{nom} = Released	11 ms
			8 ms

Nominal voltages DC

Type code	U_{nom}	$U_{pull\ in}$	U_{max} (40 °C)	R_{coil}
KDN 12 VDC	12 V	9.6 V	13.2 V	44 Ω
KDN 24 VDC	24 V	19.2 V	26.4 V	172 Ω
KDN 48 VDC	48 V	38.4 V	52.8 V	691 Ω
KDN 60 VDC	60 V	48.0 V	66.0 V	1070 Ω
KDN 110 VDC	110 V	88.0 V	121.0 V	4055 Ω
KDN 125 VDC	125 V	100.0 V	137.5 V	6160 Ω
KDN 220 VDC	220 V	176.0 V	242.0 V	15000 Ω

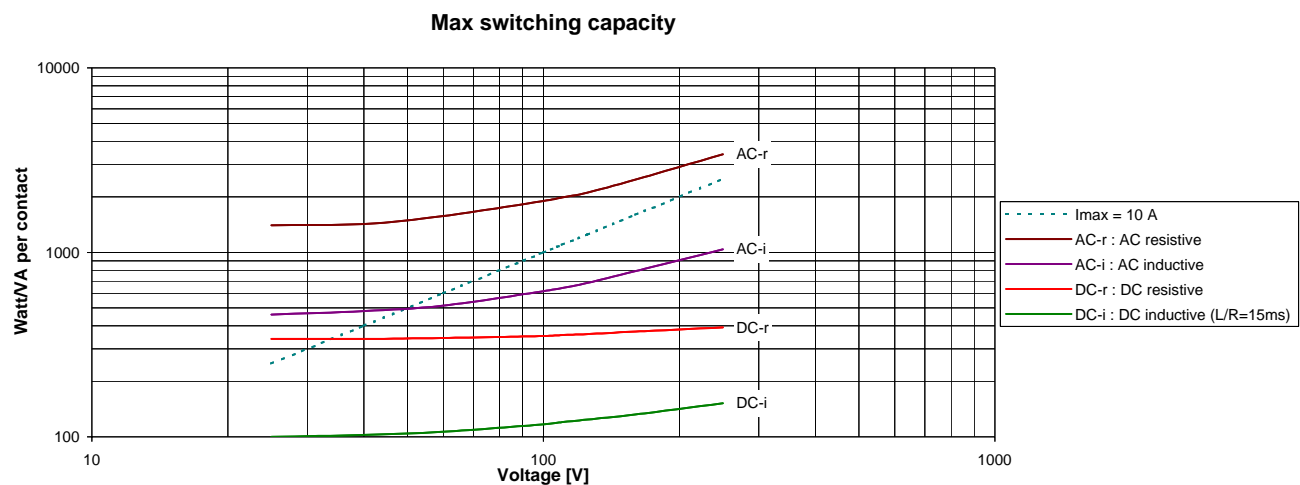
Nominal voltages AC 50 Hz

KDN 24 V	24 V	19.2 V	26.4 V	34 Ω
KDN 42 V	42 V	33.6 V	46.2 V	135 Ω
KDN 110 V	115 V	92.0 V	126.5 V	830 Ω
KDN 220 V	220 V	176.0 V	242.0 V	3200 Ω

Other voltages on request

Contact data			
Max. Make Current	16 A	Material	silver
Max. Cont. Current	10 A (AC1 ; IEC 60947)	Contactgap	0.7 mm
Max. Breaking Capacity		Insulation between open contacts	2.5 kV, 50 Hz, 1 min
	DC 110 V, 1 A AC 440 V	Contactforce	> 200 mN
Min. Switching Voltage	12 V		
Max. Contact Resistance	15 mΩ		

Maximum Switching Capacity



General Data

Dielectric strength	Pole-Pole	IEC 6055-5/	4 kV, 50 Hz, 1 min
	Cont-Coil		2.5 kV, 50 Hz, 1 min
Insulation Class		IEC 6055-5	serie C 380 V 50Hz/450 VDC
Vibration		IEC 60068-2-6	5 g at 50 Hz 2 g, 10-150 Hz
Shock		IEC 60068-2-27	15 g, 11 ms
Mechanical life			$2 \cdot 10^6$ ops
Max. Switching Frequency			1200 ops/h
Weight			320 g
Temperature	$T_{amb,max}$		+40 °C +55 °C, 1 cm detached Higher T on request
	$T_{amb,min}$		-25 °C
Humidity			90%, temporary permitted condensation
Protection			IP 40
Materials			Makrolon Polyester

Australian Distributor



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