DX85V
pcb power relay



- miniature pcb power relay
- Up to 20A @ 28VDC or 230VAC
- industry standard style
- Cost effective
- RoHS Compliant

Contacts

Contact number & arrangement		SPST-NO (1 N/O)
Contact material		AgNi 90/10, $AgSnO_2$
Max. switching voltage	AC/DC	440VAC / 125VDC
Max. switching power		5000VA
Min. switching current / voltage		100mA/12VDC
Rated load	AC1	20A, 250VAC
	DC1	20A, 30VDC
Initial resistance		100mΩ, max. at 0.1A/6VDC
Coil		
Rated voltage	DC	5...110V
Must release voltage	DC	≥ 0.1Un
Operating range of supply voltage		See coil table 1
Rated power consumption	DC	400mW
Insulation		
Insulation resistance		≤ 1000MΩ at 500VDC, 50%RH
Dielectric strength		
	coil to contact	5000Vrms, 1min
	contact to contact	1000Vrms, 1min
General Data		
Operating time (typical)	mS	≤ 15ms
Release time (typical)	mS	≤ 8ms
Electrical Life	ops	≥ 1×10^5
Mechanical life	ops	≥ 1×10^7
Dimensions	L x W x H	41 x 12.7 x 15.7mm
Weight		16g
Ambient temperature	storage	-40 to 125°C
	operating	-40 to 125°C
Shock resistance		Functional: 100m/s^2; Destructive: 1000m/s^2
Vibration resistance		DA 1.5mm 10-55Hz

Specifications are subject to change without notice. E&OE.

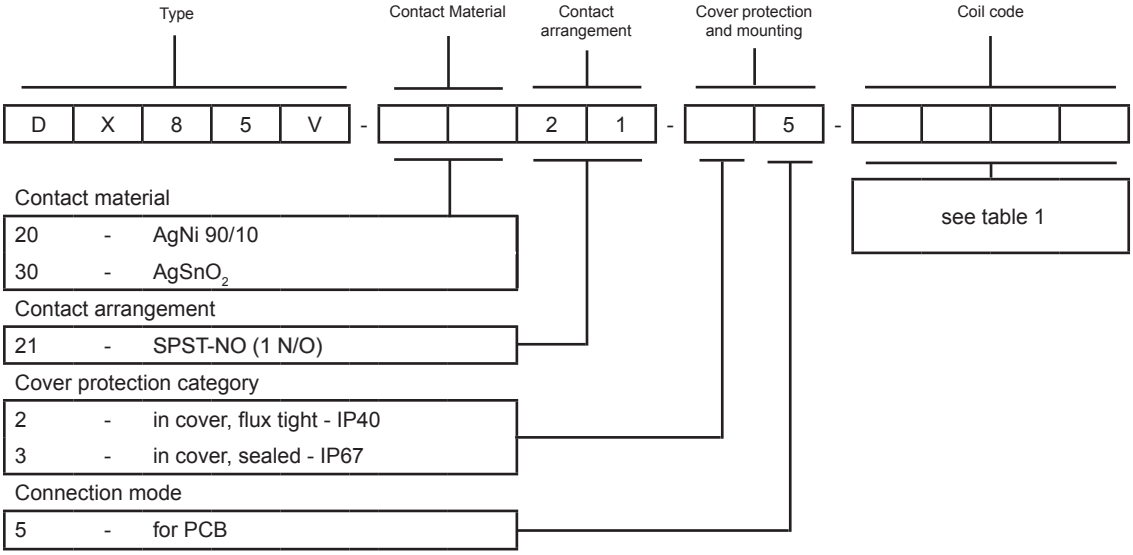
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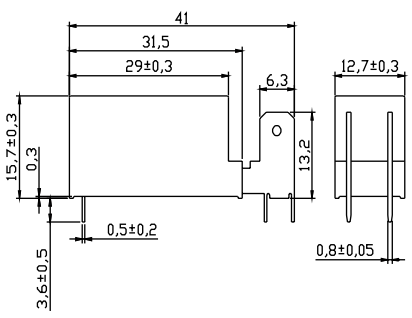
Coil Data (DC voltage 400mW) Table 1

Coil Voltage Code	Nominal Voltage (VDC)	Coil Resistance (Ω) ±10%	Must operate voltage max. (VDC)	Must release voltage min. (VDC)
1005	5	62	3.5	0.5
1006	6	90	4.2	0.6
1009	9	202	6.3	0.9
1012	12	360	8.4	1.2
1018	18	810	12.6	1.8
1024	24	1440	16.8	2.4
1048	48	5760 ±15%	33.6	4.8
1060	60	7500 ±15%	42.0	6.0
1110	110	25200 ±15%	77.0	11.0

Ordering codes

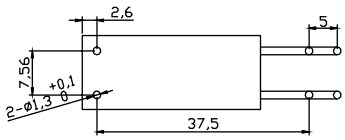


Overall Dimensions Fig. 1

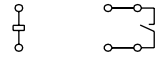


Dimensions in mm

PCB Mounting Dimensions Fig. 2



Mounting Holes (Bottom View)



Wiring Diagram (Bottom View)

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