

DA30-P736

custom power relay

DURAKOOL



- power relay with PCB option
- Up to 30A rating (switched), 32A (carry)
- compact form factor
- high isolation with > 6mm contact gap
- RoHS Compliant

Contacts

Contact number & arrangement	SPST-NO (1 Form X)	
Contact material	AgNi 90/10	
Max. switching voltage	AC/DC	400VAC / 125VDC
Max. switching power	7500VA	
Min. switching current / voltage	10mA/10VDC	
Rated load	AC1	32A, 277VAC (carry); 30A, 250VAC (switched)
	DC1	30A / 30VDC (switched)
Initial resistance	Max: 50mΩ, Typical: 5mΩ	

Coil

Rated voltage	DC	12VDC
Operating range of supply voltage	See coil table 1	
Rated power consumption	DC	1.3W

Insulation

Insulation resistance	≤ 1000MΩ at 500VDC, 50%RH	
Dielectric strength		
	coil to contact	>4000Vrms, 1min
	coil to contact, creepage and clearance	>8mm
	between open contacts	2500Vrms, 1min; Contact gap: >6mm (2 x >3mm)
	open contacts, creepage distance	>8mm

General Data

Operating time (max)	mS	≤ 10ms (excluding bounce time)
Release time (max)	mS	≤ 12ms
Electrical Life	ops	≥ 1 x 10 ⁵
Mechanical life	ops	≥ 1 x 10 ⁷
Dimensions	L x W x H	42 x 35.5 x 35.5mm (see Fig 1)
Weight	73g	
Ambient temperature	storage	-40 to 105°C
	operating	-40 to 95°C
Shock resistance	20g / 11mS	
Vibration resistance	DA 1.5mm 10-55Hz / 20g	

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

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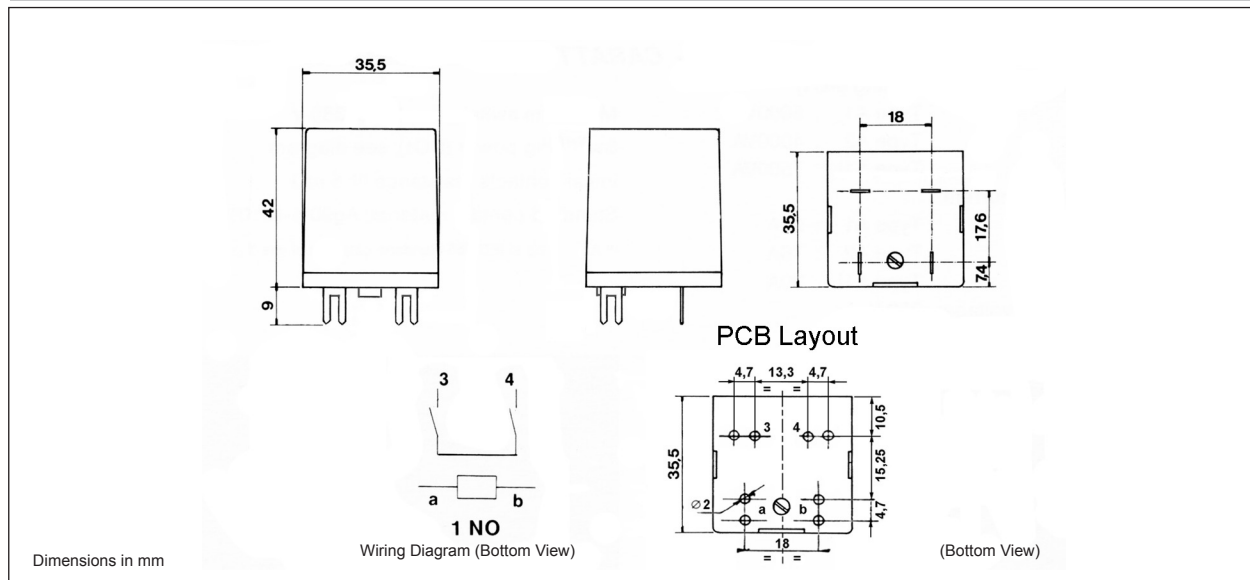
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Coil Data (DC coil)				Table 1	
Coil Voltage Code	Nominal Voltage (VDC)	Coil Resistance (Ω) $\pm 10\%$	Coil Current mA	Coil operating range (at 20°C) VDC	
				min.	max.
1012	12	90	133	9.6	13.2

Operating relays below or above the nominal voltage may prove detrimental to overall performance.

Overall Dimensions

Fig. 1



Ordering codes

Type	Contact Material	Contact arrangement	Cover protection and mounting	Coil code	
D A 3 0	2 0	2 1	2 5	1 0 1 2	P736
Contact material				see Table 1	
20 - AgNi 90/10					
Contact arrangement					
21 - SPST-NO (1N/O) (1 Form X)					
Cover protection category and connection					
25 - in cover, IP40, PCB terminals					
Special Options					
P736 Improved isolation					

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