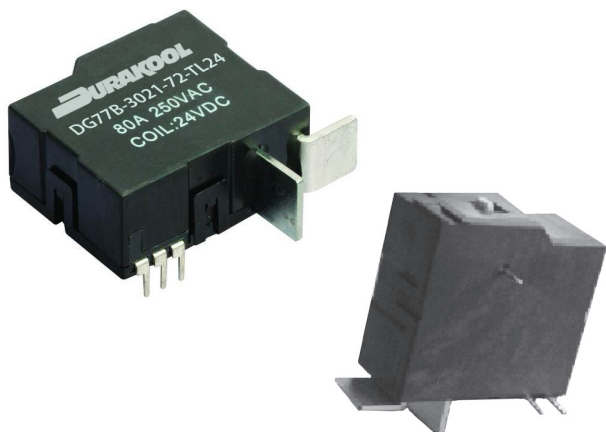


NOT FOR NEW DESIGN



- Up to 80A / 250VAC Continuous rating
- Single coil & twin coil latching
- Utility meters
- Automotive / Electric vehicle battery

RoHS
Compliant ✓

Contacts

Contact arrangement	SPST-NO (1 NO)
Contact material	AgSnO ₂
Max. switching voltage	250VAC / 20VDC
Min. switching current / voltage	500mA/12VDC
Max. continuous current	80A
Max. switching current	80A
Max. switching power	80A: 20000VA / 2240W
Initial resistance	≤ 100mΩ, max. at 0.1A/6VDC

Coil

Rated voltage	9...48VDC
Operating range of supply voltage	See table 1
Rated power consumption	single coil 80A: 1.5W
Rated power consumption	twin coil 80A: 3W

Insulation (EN 60664-1)

Insulation resistance	>1000MΩ at 500VDC, 50%RH
Dielectric strength	coil to contact 4000Vrms, 1min (50Hz)
	between open contacts 1500Vrms, 1min (50Hz)
Creepage & Clearance	8mm

General Data

Operating time	max.	20ms
Release time	max.	20ms
Electrical life (resistive)	ops.	1 x 10 ⁴
Mechanical life	ops.	1 x 10 ⁶

Environmental

Ambient temperature	operating	-40 to 70°C (Class F)
	storage	-40 to 70°C
Humidity		98%RH, 40°C
Shock resistance	functional	100m/s ² 11ms
	destructive	1000m/s ²
Vibration resistance		DA 1.5mm 10-55Hz
Dimensions	L x W x H	38.6 x 33 x 17mm
Weight	approx.	≤ 45g

Ordering Code

D G 7 7 B - 3 0 2 1 - 7 2 - T L 2 4 -

Series

Coil code:

See table 1

Contact rating

B: 80A

Contact material

30: AgSnO₂

Contact arrangement

21: SPST-NO (1NO)*

31: SPST-NC (1NC)*

* As delivered condition

Environmental protection

7: Covered, dust cover

Mounting & terminations*

1: PCB coil terminals + weld terminals for contacts

Straight power terminals

2: PCB coil terminals + weld terminals for contacts

Bent power terminals

* Terminals are highly customizable.
Please contact factory.

Options

Blank: Standard

P*** : Custom (***) = unique identifier

