

- Vehicle indicator flasher relay
- Stable electronic timing
- Wide operating voltage and temperature range
- Long life
- Metal mounting bracket option
- RoHS & ELV Compliant

ROHS  
Compliant ✓

### Contacts

Contact arrangement	SPST-NO (1 Form A)
Contact material	AgSnO <sub>2</sub>
Max. switching voltage	15VDC
Rated load	0.1W to 150W
Max. switching current	20A
Operating voltage range	11 to 15VDC, 22 to 30VDC
Min. switched load	recommended 0.1W / 20mA
Short circuit protection	1 hour between L and GND (See Fig. 1)

### Coil

Operating range	DC	12VDC, 24VDC (See table 1)
Flash frequency	at 12.8VDC	85 ± 15 per minute (0 to 40°C)
Duty ratio	on / off	40% / 60% (at 12.8VDC, 0 to 40°C)

### General Data

Electrical life at full rated load	> 400 hours
Mechanical life	cycles > 1 x 10 <sup>7</sup>

### Environmental

Ambient temperature	operating	-40 to +70°C
	storage	-40 to +80°C
Mechanical shock		20g, 11ms
Vibration resistance		10-40Hz: DA1.27mm, 40-70Hz 5g
		70-100Hz: DA 0.5mm, 100-500Hz: 10g
Relative humidity		85% (40°C)
Dimensions	L x W x H	34x 25 x 37 (excluding terminals)
Weight	approx.	20g

### Ordering Code

D G 4 4 - 5 0 2 1 - 7 6 - 1 0 1 2

#### Series

DG44

DG44A\*

#### Coil code:

See table 1

#### Contact material

50: AgCu10

#### Contact arrangement

21: SPST-NO-DM (1 Form A)

#### Mounting & terminations

76: Plug in, 6.35mm QC

96: Plug in, 6.35mm QC, Metal bracket

\* Alternate terminal configuration (See Figs. 1 & 2)

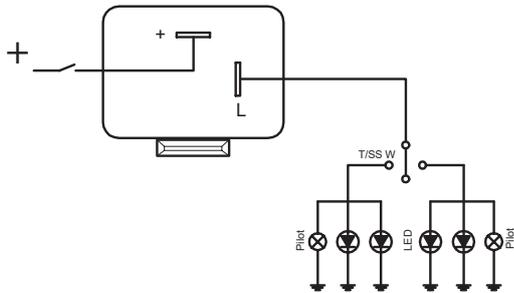
### DC Coil Data

Table 1

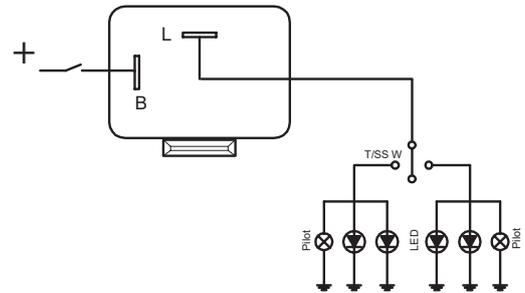
Coil code	Nominal voltage (VDC)	Operating voltage	Test voltage (at 20°C ± 2°C)
1012	12	11 to 15VDC	13VDC ± 0.2VDC
1024	24	22 to 30VDC	26VDC ± 0.4VDC

### Circuit Diagram

DG44



DG44A

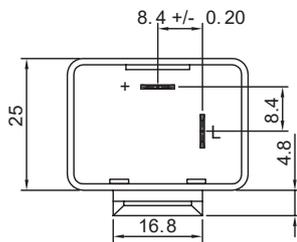


Bottom view

### Dimensions

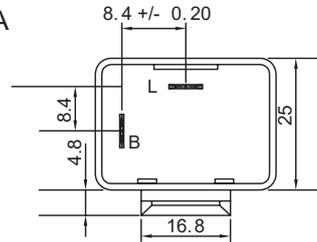
Fig 2

DG44

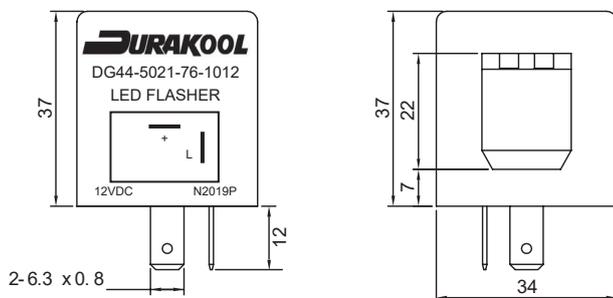


Bottom view

DG44A



Bottom view



Dimensions in mm

