

LD40 & LD70

Relays

Automotive
40A & 70A Relay
(Flanged, PCB Type)

Ver 1.3 (November 2020): Glomore

Ver 1.4 (April 2021): Glomore

Ver 1.5 (October 2022) : Glomore



LD40 - 1C - 12VDC - T - R1 - H

Relay Series:- LD40 / LD70

Contact Forms:- 1A / 1C / 2A

Coil Voltages:- 12V~60VDC

Casing & Shoulder:- T:- Transparent casing without shoulder
 TM:- Transparent casing with metal shoulder
 Nil:- Normal casing with plastic shoulder
 M:- Normal casing with metal shoulder
 P:- Normal casing without shoulder & PCB leads
 NS:- Normal casing without shoulder

Options:- Nil:- Standard
 R1:- Coil parallel with 1/2W resistor
 680Ω for coil voltage 12VDC
 2700Ω for coil voltage 24VDC
 D1:- Coil parallel with diode & positive pole
 "+ "on terminal no. 85
 D2:- Coil parallel with diode & Negative pole
 "- "on terminal no. 85

Operating Temperature:- Nil: Standard: - 40 °C ~ + 85°C
 H: 125°C

Model		LD40 / LD70				
Features	Dimension L * W * H (mm)	26.5 * 26.5 * 23.5(+16)				
	Terminal Type	Plug in / PCB leads type				
	Weight	30 gm Approximately				
Contact Data	Contact Form	1C, 1A				
	Contact Material	Ag Alloy				
	Contact Capacity	LD40:- 40A @ 14VDC / LD70:- 70A @ 14VDC				
Coil Data	Coil Voltage (DC)	12 ~ 60VDC				
	Coil Power Consumption	LD40/ LD70:- 1.6W / LD40-TM:- 1.8W				
	Coil Specification	Coil Voltage	Coil Resistance (Ω) ±10%		Pull in Voltage (VDC) Max.	Drop Out Volt (VDC) Min.
			1.6W	1.8W		
		12 VDC	90	80	7.8V	1.2V
		24 VDC	360	320	15.6V	2.4V
48 VDC		1440	1280	31.2V	4.8V	
60 VDC	2250	2000	39V	6V		
General Data	Dielectric Strength	500 VAC @ 50 Hz / Min(Between Open Contacts)				
		750VAC@ 50 Hz / Min (Between Coil & Contacts)				
	Insulation Resistance	100 MΩ min. (at 500VDC)				
	Electrical Life	1 x 10 ⁵				
	Mechanical Life	1 x 10 ⁷				
Operating Temperature	Standard:- - 40 °C ~ + 85°C / H:- 125°C					
Application	Flasher, Power windows, Car Control Switching Box ,Automotive applications etc.					

<p>40A Mounting Diagram</p>	<p>Plastic Bracket</p>	<p>Metal Bracket</p>	<p>Without Bracket</p>	<p>Bottom View</p>
<p>70A Mounting Diagram</p>	<p>Plastic Bracket</p>	<p>Metal Bracket</p>	<p>Without Bracket</p>	<p>Bottom View</p>
<p>Options</p>	<p>Standard</p>	<p>R1 Type</p>	<p>D1 Type</p>	<p>D2 Type</p>