

TELEDYNE RELAYS

Series GD

Force guided relay rated for 6A, 230/240 Vac, 300 Vdc Available in 4 pole configuration. Polarized DC Drive. See Table 1 for part numbers.

ELECTRICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

Parameter	Min	Тур	Мах	Units
Operate Time (See Note 1)		17		msec
Release Time (See Note 1)		7		msec
Switching Frequency			5	Hz
Shock (11 msec, See Note 3)			10	g
Vibration (10-200 Hz, See Note 3)			5	g
Electrical Life	10 ⁵			Cycles
Mechanical Life	10 ⁷			Cycles
Ambient Temperature	-25		80	°C

CONTACT SPECIFICATIONS

Maximum Load Current							
	1 Contacts		6	А			
	2 Contacts		4.2	А			
	3 Contacts		3.5	А			
Maximum Switching Voltage			230/24	0 Vac			
			300	Vdc			
Maxim	um Load Capacity (Resistive	e) ·	1500/30) VA/W			
Maxim	um Switching Capacity	AC15-230/240V	4	Arms			
(Induc	tive)	DC13-24V	2	Adc			
Contac	ct Resistance (See Note 2)		100	mOhm			
Dielectric Test Voltage (O=III, P=2)							
	Coil to Contact		2500	Vac			
	Contact to Contact		2000	Vac			

New Series GD

6A, 230/240VAC, 300VDC SINGLE THROW FOUR POLE



FEATURES:

- Force Guided Contacts per EN50205: Consists of at least one NO and one NC contact mechanically linked. This allows the contact's behavior to be predetermined and the user the ability to monitor the contact. The mechanism provides true status.
- Dielectric designed for 3-phase systems.
- Contacts are physically linked making it impossible for a NO and NC to be closed simultaneously.
- Internal creepage distances and clearances are designed for Overvoltage Category III and Degree of Pollution 2 per IEC 60664.
- Wide range of Contact configurations and Coil Voltages.

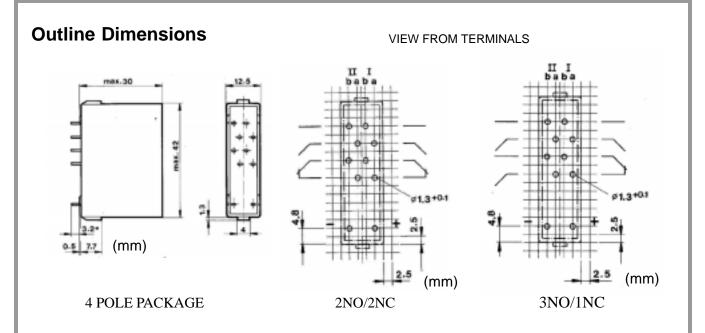
APPROVALS:

CUL: Approved TÜV / VDE: Pending

ACCESSORIES:Contact Factory

Current regulator unit DIL housing Current regulator unit SO.8 housing Removing tool Socket with soldering pins for PCB mounting Socket for conventional mounting.

Series GD



Characteristics Table

Part No.	Contacts	Contact Material Coil Resistance		Coil Voltage	
		(/Gold Plating)	(Ohm)±12%	(Nominal @ 25°C)	
GD31-1002	3NO/1NC	AgNi/0.2	255	12	
GD31-1003	3NO/1NC	AgNi/0.2	1,020	24	
GD31-1009	3NO/1NC	AgNi/2.0	255	12	
GD31-1010	3NO/1NC	AgNi/2.0	1,020	24	
GD22-1016	2NO/2NC	AgNi/0.2	255	12	
GD22-1017	2NO/2NC	AgNi/0.2	1,020	24	
GD22-1019	2NO/2NC	AgNi/0.2	3,910	48	
GD22-1023	2NO/2NC	AgNi/2.0	255	12	
GD22-1024	2NO/2NC	AgNi/2.0	1,020	24	
GD31-1050	3NO/1NC	AgNi/0.2	820	22	
GD22-1051	2NO/2NC	AgNi/0.2	820	22	
GD31-1130	3NO/1NC	AgNi/2.0	820	22	
GD31-1133	3NO/1NC	AgNi/0.2	1,020	24	
GD31-1140	3NO/1NC	AgNi/2.0	1,020	24	

TABLE 1

Notes:

1) Timing varies with coils voltage.
2) For new contacts only.
3) Contacts will not chatter in excess of 1ms.