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TECHNOLOGY GROUP

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Find the *HI-G 2T-2962* at our website: *Click HERE*

CRYSTAL CAN RELAY
10 AMPERE DC or AC COIL

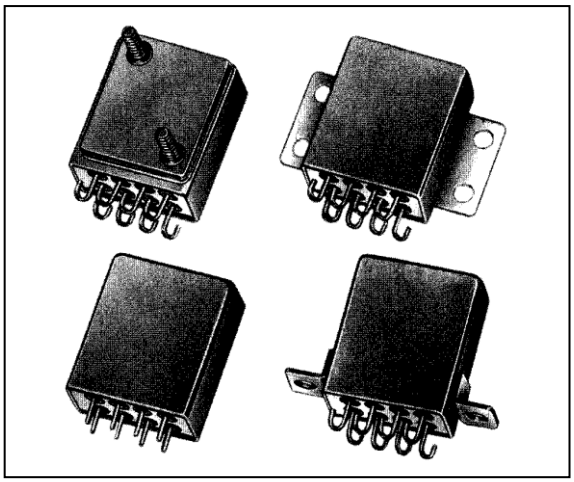
Series T

Product Description

The economical approach to high current switching in a relay design for commercial and military applications. Through unique design innovations, this device incorporates an optimized magnetic structure and massive contact switching paths in less than 0.65 cubic inches. With proven switching characteristics of 10 amperes in excess of 100.000 operations under all environments, it performs in a wide variety of switching applications.

The following construction features ensure the highest reliability in extreme environments:

- All welded relay construction
- Cleaning and sealing techniques ensures maximum internal cleanliness
- 10 amperes switching
- 2 form C, DPDT contacts, special metal alloy with gold plating



Series Types

- **2T** Basic Relay, 2 form C, DPDT
- **2TR** Basic Relay combined with internal bridge diode, for AC operation

Environmental and Physical Specifications

Temperature (Ambient)	- 65°C to + 125°C
Shock	100 g, 6 ms.
Vibration (sinusoidal)	20 g, 10 to 2000 Hz
Acceleration	30 g
Sealing	All welded, Hermetic
Weight	2,0 oz. (56,70 grams) max.

Electrical Characteristics (over the Temperature range. Unless otherwise noted)

Coil Data	See Typical Characteristics chart		
Contact Rating	**Type Load**	**Contact Load**	**Cycles min.**
(Note: All ratings with grounded case)	Resistive	10 A / 28 Vdc	100.000
		5 A / 115Vac, 400 Hz	100.000
		3 A / 115 Vac, 60 Hz	100.000
	Inductive	6 A / 28 Vdc (200 mH)	100.000
Contact Resistance	0,01 Ω max. initial		
Operate Time	13,0 ms. Max. at 25°C		
Release Time	13,0 ms. Max. at 25°C, Series T	16,0 ms. max. at 25°C, Series TR	
Contact Bounce	5,0 ms. Max. at 25°C, normally close contacts	5,0 ms. Max. at 25°C, normally open contacts	
Dielectric Strength	1.000 Vrms min., 60 Hz, all points, 500 Vrms min. between open contacts and coil to case, at sea level		
Insulation Resistance	1.000 MΩ min. all points at 500 Vdc		
Sensitivity	500 mW at pick-up, 1,7 W typical at nominal rated coil voltage, at 25 °C		

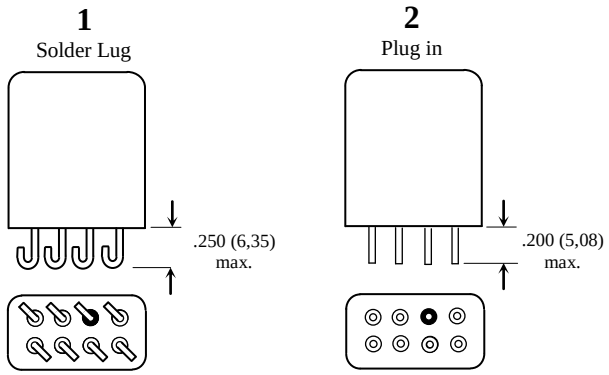
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Series T

Typical Characteristics

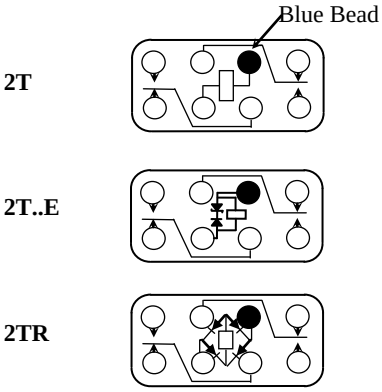
Series Types	Voltage Code	Coil Voltage [Vdc]		Coil Resistance [Ω] ± 10% at 25°C	Pick-up [Vdc] Max. at 25°C	Drop-out [Vdc] Min. at 25°C	Coil Suppression [Vdc]
		Nominal	Max.				
2T	106	6,0	7,2	22	3,3	0,5	47
	112	12,0	14,4	90	6,7	1,0	47
	126	26,5	32,0	330	13,0	2,0	47
	215	115,0	125,0	7500	63,0	5,0	134
2TR	112	12,0	14,0	90	8,0	1,0	
	124	24,0	32,0	330	14,5	2,0	
Note:	215	115,0	125,0	7500	66,0	7,0	
AC operation, 60 to 400 Hz	320	220,0	250,0	25000	120,0	10,0	

Terminal Styles



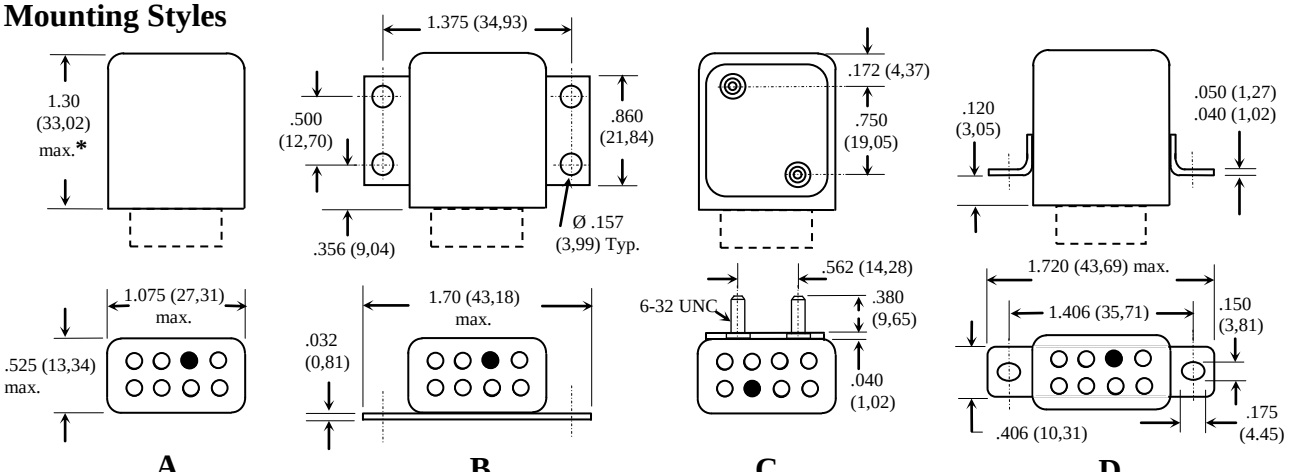
Note:
- Dimensions are shown in inches (millimetres)
- Terminal spacing is .200 (5,08). Terminal diameter is .050 (1,27) ± .002 (0,05)

Schematic Diagrams



Note:
- Schematics are viewed from terminals

Mounting Styles



Note:
- Dimensions are shown in inches (millimetres).
- " * " 2TR series type: 1.34 (34,03) max.

How to Order (Part Numbering System)

AC Operation	**2TR**	**- 2**	**A**	**- 126**		
DC Operation	**2T**	**- 2**	**A**	**- 126**	**E**	
Series						With internal voltage suppressor
						Voltage Code
Terminal Style						Mounting Style

High Generation S.r.l.
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