

■ Features

- Single coil type (TX1) and twin coil type (TX2) for bi-directional control of automobile motors
- High power, miniature design
- 30A, 16VDC switching current capacity
- Sealed for immersion cleaning

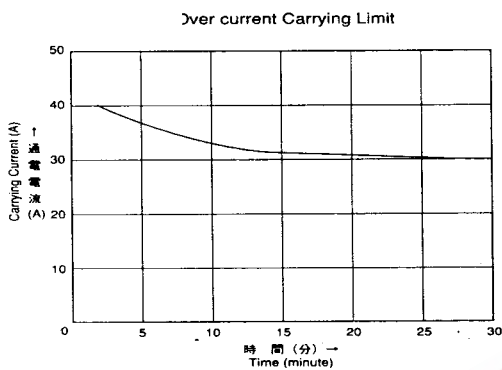
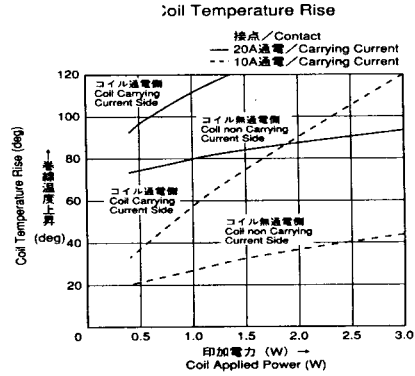
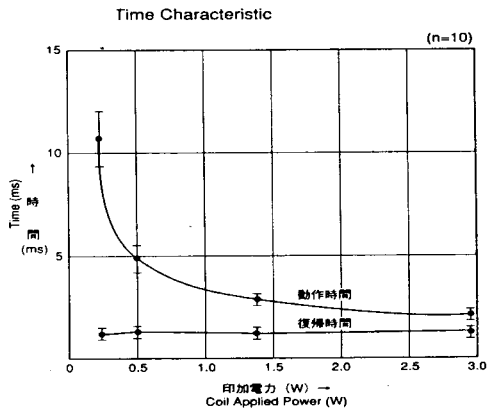
■ Coil Rating (All Coil Voltages 12VDC only) @ 20°C

| Part Number | Coil Resistance (W ± 10%) | Rated Power (W) | Pick-Up Voltage (VDC) | Drop-Out Voltage (VDC) |
|-------------|---------------------------|-----------------|-----------------------|------------------------|
| TX1-8 | 200 | 0.72 | 6.0 | 0.8 |
| TX1-9 | 250 | 0.58 | 6.75 | 0.9 |
| TX1-10 | 320 | 0.45 | 7.5 | 1.0 |
| TX2-8 | 200 | 0.72 | 6.0 | 0.8 |
| TX2-9 | 250 | 0.58 | 6.75 | 0.9 |
| TX2-10 | 320 | 0.45 | 7.5 | 1.0 |

■ Specifications

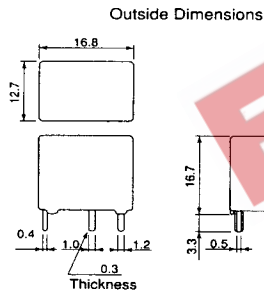
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|-------------------------|--|--|
| Contact Arrangement | DPDT (1 Form C) | |
| Contact Material | AgSnO ₂ | |
| Rated Load | 25A Motor Load 14 VDC | |
| Max. Switching Current | 30A | |
| Max. Carrying Current | 30A @ 20° C within 5 minutes | |
| Max. Switching Power | 60W (DC) ; 125VA (AC) | |
| Contact Resistance | Max. 50m Ohm (@ 6VDC 1A voltage drop method) | |
| Insulation Resistance | Min. 100M Ohm (@ 500VDC) | |
| Dielectric Strength | 1000VAC for 1 minute between open contacts 1000VAC for 1 minute between coil & contacts | |
| Operate Time | Max. 10ms (@ rated voltage) | |
| Release Time | Max. 10ms (@ rated voltage) | |
| Operating Ambient Temp. | -40°C ~ +85°C | |
| Ambient Humidity | 85% RH | |
| Vibration Resistance | 10 to 400 Hz 4.4G | |
| Shock Resistance | Min. 10G (Shock wave 11ms) | |
| Life | Mechanical | 10 x 10 operations (@ 300 ops/min) |
| | Electrical | 0.1 x 10 ⁶ ops (ON: 5 sec / OFF: 25 sec) 14VDC 25A motor load |
| Weight | TX1: Approx. 8g TX2: Approx. 15g | |

Characteristics

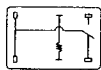


Dimensions

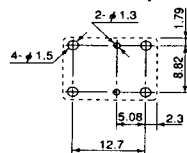
TX1



Wiring Diagrams

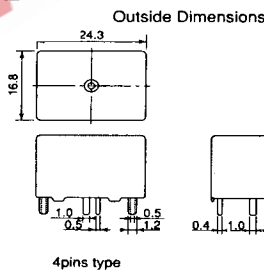


PC Board Pin Layout

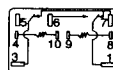


Bottom View

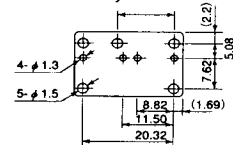
TX2



Wiring Diagrams

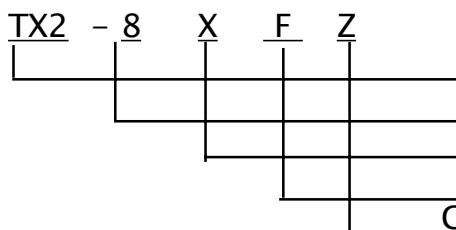


PC Board Pin Layout



Bottom View

How to order



TX1: 1 Form C ; TX2: 2x1 Form C
 Coil: 8=200ohm; 9=250ohm ; 10=320ohm
 Contact Material: Blank=Standard ; X=Special
 Coil Terminal: Blank= 3 pins ; F= 4 pins
 Contact Terminals: Blank=Std (Common NC)
 Z= NC contact is independent