

TRFM

- Max.switching current 25A
- Different terminals available
- Conform to RoHS,ELV directive



23×15.5×26

ORDERING CODE

| <u>TRFM</u> | <u>D</u> | <u>S</u> | <u>H</u> | <u>/ 12VDC</u> |
|---------------------------------|----------|----------|---------------------------------------|----------------|
| 1 | 2 | 3 | 4 | 5 |
| 1. Relay Model | | | 4. | |
| 2. Coil Power D=1.6W, L=1.2W | | | H: Form 1A Z: Form 1C | |
| 3. S:Sealed Nil: | | | 5. Coil Nominal Voltage 6,12,24VDC | |

COIL DATA (at 20°C)

| | | | | |
|---------------------------------------|------|------------|------|------|
| Nominal Voltage (VDC) | 6 | 12 | 24 | 1.2W |
| Coil Resistance ($\Omega \pm 10\%$) | 30 | 120 | 480 | |
| Rated Current (mA) | 200 | 100 | 50 | |
| Max Operate Voltage (VDC) | 3.9 | 7.8 | 15.6 | |
| Min Release Voltage (VDC) | 0.3 | 0.6 | 1.2 | 1.6W |
| Coil Resistance ($\Omega \pm 10\%$) | 23 | 90 | 360 | |
| Rated Current (mA) | 261 | 133 | 67 | |
| Max Operate Voltage (VDC) | 3.9 | 7.8 | 15.6 | |
| Min Release Voltage (VDC) | 0.3 | 0.6 | 1.2 | |
| Max Applicable Voltage | 70°C | 130%, 23°C | 170% | |

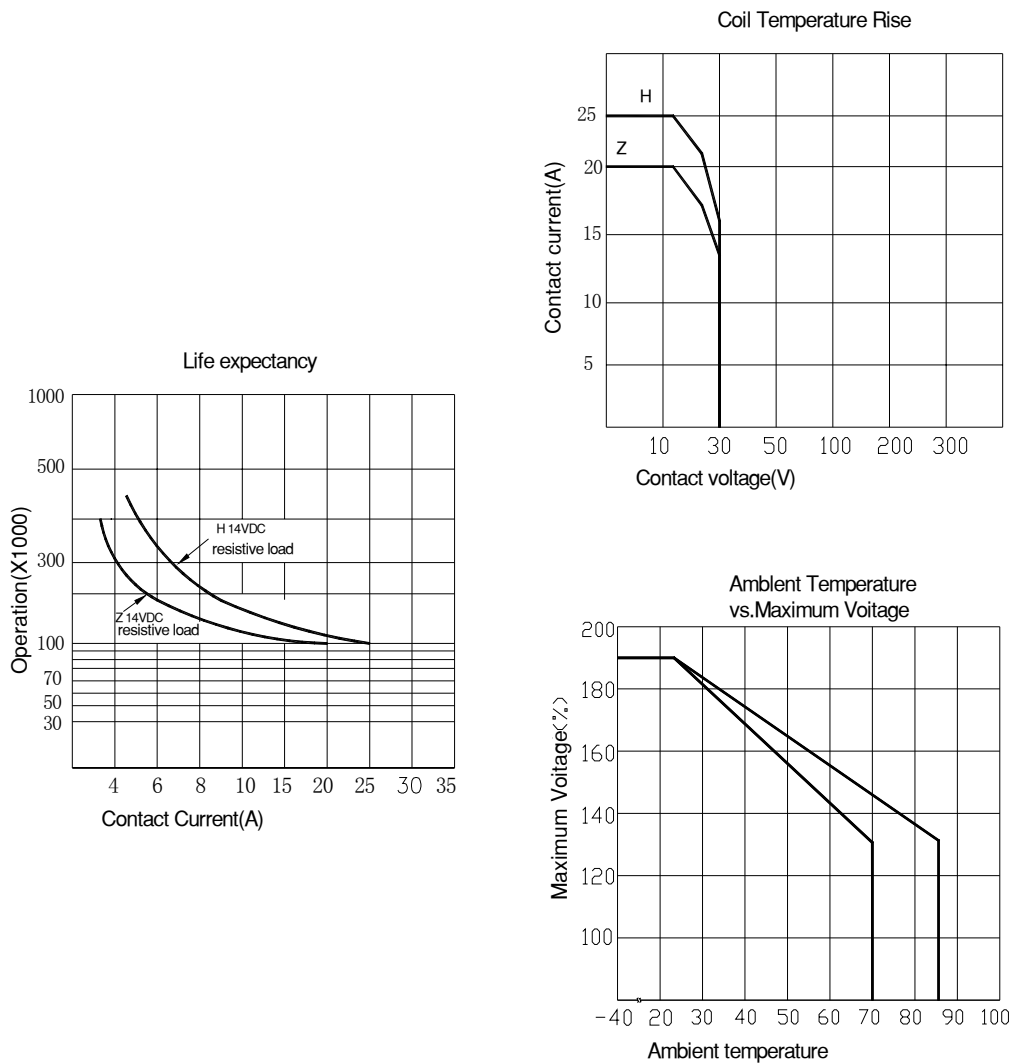
CONTACT DATA

| | |
|-----------------------|--|
| Contact Form | 1H/1Z |
| Contact Material | Silver Alloy |
| Load | Resistive load(COS Φ =1) |
| Contact Ratings | 1H: 25A 14VDC 1Z: 20A 14VDC |
| Max Switching Voltage | 24VDC |
| Max Switching Current | 25A |
| Max Switching Power | 350W |
| Contact Resistance | 50m Ω Max at 6VDC 1A |
| Life Expectancy | Electrical : 100,000 Operations(at30Operations/minute) |
| | Mechanical : 10,000,000 Operations(at300Operations/minute) |

CHARACTERISTICS DATA

| | |
|---|----------------------------------|
| Insulation Resistance | 100M Ω Min at 500VDC |
| Dielectric Strength Between Open Contacts | 500VAC(for one minute) |
| Between Contacts and coil | 1000VAC(for one minute) |
| Operate Time | 10ms |
| Release Time | 10ms |
| Temperature Range | -40°C to +85°C |
| Shock Resistance | Operating Extremes : 10G |
| | Damage Limits : 100G |
| Vibration Resistance | 10-55Hz, 1.5mm |
| Max. switching frequency | Mechanical: 18,000 operations/hr |
| | Electrical: 1,800 operations/hr |
| Humidity | 40-85% |
| Weight | Approx 18g |

ENGINEERING DATA



■ OVERALL AND MOUNTING DIMENSIONS

