

TSR19/AC230V
Motor protection | PTC | 1 + 1 CO



Table with 2 columns: Parameter, Value. Section: Power supply. Rows: Nominal voltage (230 V AC), Operating voltage range (0.85 ... 1.15 UN), Power consumption AC / DC (2.5 VA / 1.5 W), Frequency range (50, 60 Hz).

Table with 2 columns: Parameter, Value. Section: Measuring circuit. Rows: Measured parameters (Ω), Monitoring functions (over, sensor ground fault, sensor break), Resistance, OK range (100 ... 1 800 Ω), Clixon, OK range (0 ... 1 800 Ω), Failure threshold (≤ 50 Ω, ≥ 2 250 Ω, ≤ 1 kΩ (to ground)), Alarm delay (2.5 s).

Table with 2 columns: Parameter, Value. Section: Main circuit. Rows: Number of contacts (1 + 1 CO), Available contact materials (AgNi), Rated voltage (250 V AC), Rated current (6 A), Minimum load (10 mA, 12 V), Rated load DC (fig. 3), Rated load AC-1 (1,250 VA), Mechanical endurance (cycles) (30 000 000), Electrical endurance at rated load AC-1 (cycles) (fig. 2).

Table with 2 columns: Parameter, Value. Section: Insulation. Rows: Rated test voltage measuring / measuring circuit (2 kV rms / 1 min), Rated test voltage measuring circuit / power supply (2 kV rms / 1 min), Rated test voltage measuring circuit / main circuit (2 kV rms / 1 min), Rated test voltage main circuit / power supply (2 kV rms / 1 min), Rated test voltage main / main circuit (2 kV rms / 1 min), Rated test voltage open contact (2 kV rms / 1 min), Pollution degree (2), Overvoltage category (III).

Table with 2 columns: Parameter, Value. Section: General data. Rows: Storage temperature (no ice) (-40 ... 85 °C), Operation temperature (-25 ... 60 °C), Dimensions (fig. 4), Weight (210 g), Ingress Protection (IP 20), Housing material (PC).

Table with 3 columns: Description, Type, 230. Section: Product references. Rows: Motor protection, AC supply (TSR19/AC...V), Other voltages on request. Please contact support@comatreleco.com. «...» List control circuit voltage to complete product references.

Table with 2 columns: Parameter, Value. Section: Included Accessories. Rows: Socket (S3-M), Transparent front cover (FS-23), Frontpanel mounting set (FZ-23).

Table with 2 columns: Parameter, Value. Section: Optional Accessories. Rows: Retaining spring | steel (HF-24).

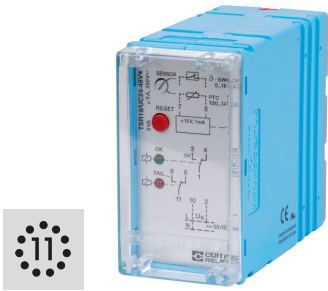


fig. 1. Wiring diagram

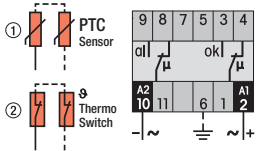


fig. 2. AC voltage endurance

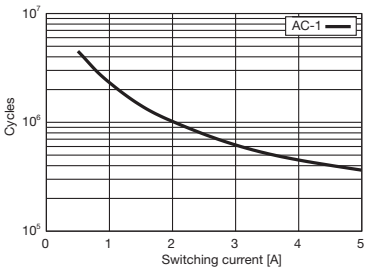


fig. 3. DC load limit curve

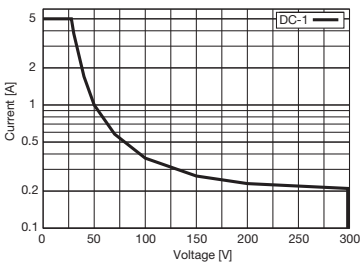
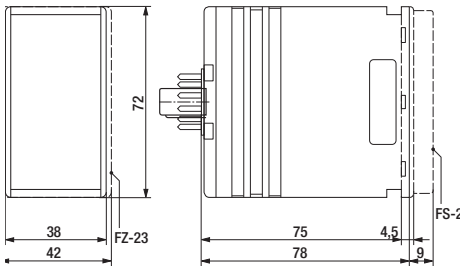


fig. 4. Dimensions (mm)



Technical approvals, conformities

Standards IEC/EN 60947
Approvals CE, c, us, EAC, UK, CA