

# MSR6R/T

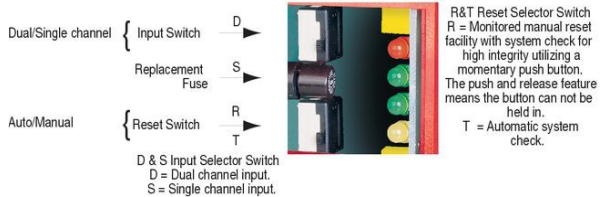
## Specifications

|  |   |
|--|---|
| Standards  | EN 954-1, ISO13849-1, IEC/EN 60204-1, IEC 60947-5-1, ANSI B11.19, AS4024.1  |
| Category   | Cat. 3 per EN 954-1 (ISO 13849-1)   |
| Certifications                                   | <b>CE Marked for all applicable directives, cULus, c-Tick, and TÜV</b>  |
| Power Supply                                     | 24V AC/DC, 110V AC 50/60 Hz or 230V AC 50/60 Hz   |
| Power Consumption                                | <4 VA   |
| Safety Inputs                                    | 2 N.C.  |
| Input Simultaneity                               | 0.5 seconds   |
| Input Resistance, Max.                           | 500 $\Omega$  |
| Reset Type                                       | Monitored Man. or Auto./Man.  |
| Safety Outputs                                   | 3 N.O. Safety; 1 N.C. Auxiliary   |
| Output Utilization per IEC60947-5-1 (Inductive)* | B300 AC-15; 4 A/250V AC, 4 A/120V AC<br>P300 DC-13; 3 A/24V DC  |
| Thermal Current                                  | 4 A (nonswitching)  |
| Fuses, Input                                     | 500 mA time lag (internal, replacable)  |
| Fuses, Output                                    | 5 A quick acting (external)   |
| Switching Current @ Voltage, Min.                | 10 mA/10V   |
| Maximum Drop-Out Time                            | 50 ms   |
| Status Indicators                                | Red = Power On; Green = K1 Closed; Green = K2 Closed; Amber = Single Channel Mode   |
| Rated Impulse withstand Voltage                  | 2500V   |
| Installation Group                               | C in accordance with VDE 0110   |
| Pollution Degree                                 | 3   |
| Operating Temperature [C (F)]                    | -10...55° (14...131°)   |
| Relative Humidity                                | 90%   |
| Enclosure Type Rating                            | IP40, (NEMA 1), DIN 0470  |
| Terminal Protection                              | IP20, DIN 0470  |
| Conductor Size, Max.                             | 1 x 2.5 mm <sup>2</sup> (14 AWG) stranded, 1 x 4 mm <sup>2</sup> (12 AWG) solid   |
| Torque Settings—terminal screws                  | <b>1 N•m (8.85 lb•in)</b>   |
| Material   | Red Polycarbonate   |
| Mounting   | 35 mm DIN Rail  |
| Weight [g (lb)]                                  | 510 (1.12)  |
| Electrical Life                                  | 220V AC/4A/880VA $\cos\phi = 0.35$ - 100,000 operations<br>220V AC/1.7A/375VA $\cos\phi = 0.6$ - 500,000 operations<br>30V DC/2A/60W - 1,000,000 operations<br>10V DC/0.01A/0.1W - 2,000,000 operations |
| Mechanical Life                                  | 2,000,000 operations  |
| Vibration  | <b>0.75 mm (0.30 in.) peak, 10...55 Hz</b>  |
| Shock  | 30 g, 11 ms half-sine   |

\* See Output Ratings on **Output Ratings** for details. Consult factory for ratings not shown.

## Applications

Use a slotted screwdriver to pop open cover to reveal switches & fuse.



## Product Selection

| Inputs           | Safety Outputs | Auxiliary Outputs | Power Supply | Cat. No.    |
|------------------|----------------|-------------------|--------------|-------------|
| 1 N.C. or 2 N.C. | 3 N.O.         | 1 N.C.            | 24V AC/DC    | 440R-C23017 |
|                  |                |                   | 110V AC      | 440R-C23018 |
|                  |                |                   | 230V AC      | 440R-C23019 |