



Multi-mode Relay Timers

Overview

Murrelektronik Multi-mode Relay Timers are for use in industrial applications such as control engineering, automation, signal and industrial installations.

Features

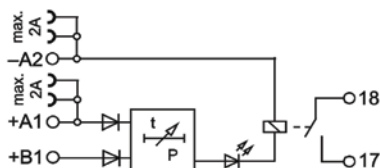
- 35mm DIN-rail mount
- Slim 6.2 mm design
- Time ranges from 0.1 to 300 secs
- Status Indicator Green LED - Relay energized
- DC voltage
- Lexan 920 housing material



52350

| Multi-mode Relay Timers | | | | | |
|-------------------------|---------|-------------------------------|-------------------|----------------------|---------------------|
| Part Number | Price | Timing Range | Operating Voltage | Output Type | Drawing Link |
| 52350 | \$30.50 | 0.1 to 300 seconds selectable | 24 VDC | (1) SPST timed relay | PDF |

Wiring Diagram



| Interface Relays Accessories | | |
|------------------------------|---------|--|
| Part Number | Price | Description |
| 90963 | \$8.75 | Murrelektronik interface relay jumper, push-in type, 2-pole, gray. Package of 5. For use with MurrElektronik relays with 6.2mm spacing. |
| 90978 | \$20.50 | Murrelektronik interface relay jumper, push-in type, 10-pole, blue. Package of 5. For use with MurrElektronik relays with 6.2mm spacing. |
| 90979 | \$28.00 | Murrelektronik interface relay jumper, push-in type, 10-pole, red. Package of 5. For use with MurrElektronik relays with 6.2mm spacing. |





Multi-mode Relay Timers Specifications

| Multi-mode Relay Timers Specifications | |
|---|--|
| Input Specifications | |
| Nominal Voltage | 24VDC |
| Operating Voltage Range | 24VDC (+10% – 15%) |
| Trigger Voltage | 24VDC +10% -15% 20.4 - 26.4 VDC 0-Signal/acc. to DIN 19240: < 5V / approx. 0.6 mA 1-Signal/acc. to DIN 19240: > 13V / approx. 7mA |
| Power Consumption | <16mA at 24V |
| Contact Specifications | |
| Type | SPST |
| Material | Silver Tin Oxide (Ag Sn O ₂) |
| Operate Time | 8ms maximum |
| Release Time | 10ms maximum |
| Bounce Time | 2ms |
| Wire Size Max | 14AWG (stranded) / 12AWG (solid) |
| Max Ratings | 6A/250VAC, 1500VA |
| Minimum Load | 6VDC 0.1 A |
| Mechanical Life Time | 2 x 10 ⁷ Switching cycles |
| Electrical Life Time Operations | 230VAC / 6A 8 x 10 ⁴ Switching cycles 24VDC / 2A 8 x 10 ⁴ Switching cycles 26VDC / 15mA 3 x 10 ⁵ Switching cycles |
| Time Circuit Specifications | |
| Time Ranges | 0.1 ~ 1.2 sec, 0.4 ~ 5 sec, 3.5 ~ 40 sec, 30 ~ 300 sec |
| Setting Accuracy | ≤ 10% of final value |
| Repeat Ready Time | ≤ 5ms |
| Repeat Accuracy | ≤ 0.2% of final value |
| Minimum Switch On Time | ≥ 100ms |
| Minimum Trigger Time for Switch-off Delayer | 0.5 ms |
| Temperature Coefficient | ± 250 ppm of final value over temperature range |
| General Specifications | |
| Connection | Screw terminal (M3) |
| Tightening Torque | 0.2 N·m (+0.1) |
| Ambient Temperature | -25 to +60°C [-13 to +140°F] |
| Storage Temperature | -40 to +80°C [-40 to +176°F] |
| Protection Rating | IP20 |
| Mounting Position | 35mm DIN-rail |
| Relay Indicator LED | Green |
| Weight (g [oz]) | 35.0 [1.23] |
| Agency Approvals and Standards * | CSA 1252427, cURus E140415, CE |

* To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.