

FEATURES

- Supply voltage of 12 to 240 V ac/dc
- DIN-rail mounting
- Multi-function timer
- Maximum current of 16 A
- External power supply
- SPDT contact configuration (single pole, double throw)
- Screw terminal type
- Time range of 0.1 s to 100 h
- 85 mm (depth) x 65 mm (width) x 18 mm (length)
- Operating temperature range of -10°C to +60 °C
- 1CO switch configuration
- Time increments in hours, minutes and seconds

RS PRO SPDT Multi-Function Time Delay Relay, Accumulative Delay on Signal, Cyclic OFF/ON, Cyclic ON/OFF, Impulse

RS Stock No.: 178-3459



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This SPDT (single pole double throw) time delay relay from the RS PRO range is an electromagnetic component that's used to control the power flow in circuits at timed intervals. Control relays play a vital role in today's electronics, opening and closing circuits whenever voltage is applied or removed. Timer relays have the added benefit of pre-selected time intervals, which is useful for things like lighting circuits and safety control for large equipment.

General Specifications

| | |
|-------------------------------------|---|
| Switch Configuration | 1CO |
| Mode of Operation | Accumulative Delay on Signal, Cyclic OFF/ON, Cyclic ON/OFF, Impulse ON/OFF, Interval, Leading Edge Bi-stable, Leading Edge Impulse, On Delay, Signal OFF Delay, Signal OFF/ON, Signal ON Delay, Trailing Edge Impulse |
| Contact Configuration | SPDT |
| Time Range | 0.1 seconds – 100 hours |
| Number of Timer Functions | Multi-Function |
| Number of Contacts | 1 |
| Time Increments | Hours, Minutes, Seconds |
| Reset Time | 200ms |
| Relay Output | SPCO |
| Accuracy | ± 1% of maximum full scale |
| Adjustment Accuracy | < 5% of maximum full scale |
| Repeat Accuracy | ± 1% at constant conditions |
| Power on indication / Timing | Green LED |
| Relay Status | Amber LED |
| Housing | Flame Retardant UL94-V0 |

Electrical Specifications

| | |
|-------------------------|-----------------------|
| Power Supply | External |
| Supply Voltage | 12VAC/DC to 230VAC/DC |
| Minimum Voltage | 12VAC/DC |
| Maximum Voltage | 230VAC/DC |
| Current Maximum | 16A |
| Current Minimum | 5A |
| Frequency Range | 50Hz to 60Hz |
| Terminal Type | Screw |
| Supply Variation | +/- 15% |
| Electrical Life | 1 x 10 ⁵ |

Mechanical Specifications

| | |
|----------------------|----------|
| Mounting Type | DIN-Rail |
| Depth | 85mm |
| Width | 65mm |
| Length | 18mm |
| Weight | 70g |

Protection Category

| | |
|------------------|------------|
| IP Rating | IP20, IP40 |
|------------------|------------|

Operation Environment Specifications

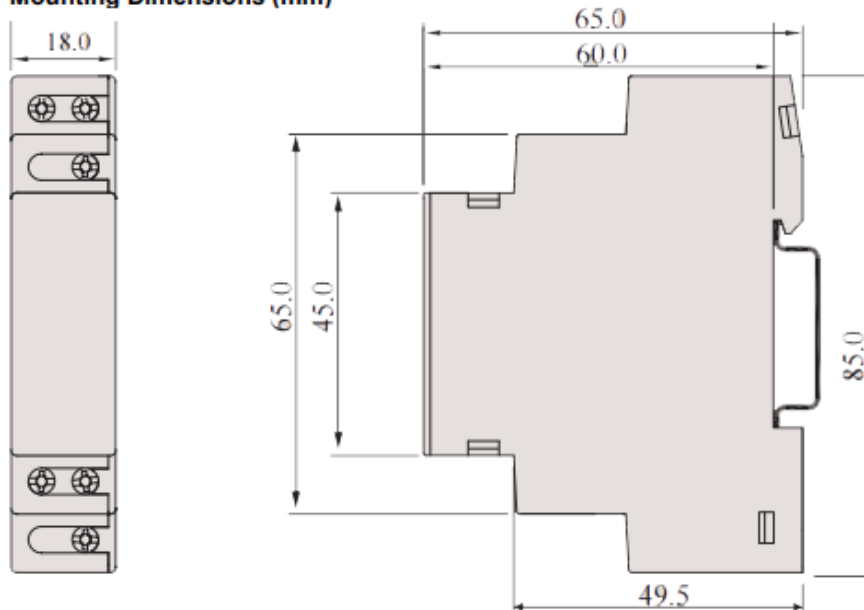
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|--------------------------------------|-------------|
| Maximum Operating Temperature | +60°C |
| Minimum Operating Temperature | -10°C |
| Ambient Temperature | -10 to 60°C |

Approvals

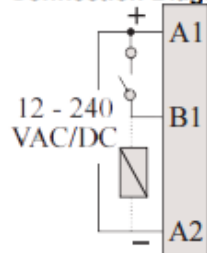
| | |
|----------------------------------|-------------|
| Compliance/Certifications | CE approved |
| Standards Met | RoHS |



Mounting Dimensions (mm)



Connection Diagram



Terminal Torque & Capacity

| | |
|--------------------------------|---|
| \varnothing 3.5...4.0 mm | Torque - 0.6 N.m (6 Lb.in) Terminal screw - M3 |
| | Solid Wire - 1 X 1...4 mm ² |
| AWG | 1 X 18 to 10 |