

## SCF Series, Programmable, Time Delay Relay

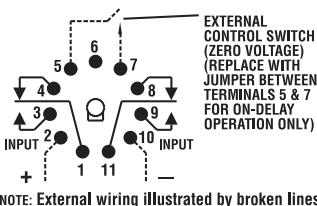


### Product Facts

- 4 user-programmable timing modes
- 0.1 sec. to 10 hr. programmable timing range
- Parameters set with recessed dials
- Narrow width saves panel space
- 10A DPDT output relay
- Socket can be DIN-rail or back panel mounted
- File E15631(relay) and E140494 (socket)
- File LR29186 (relay) and LR29513M7 (socket)



Users should thoroughly review the technical data before selecting a product part number. It is recommended that user also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.



Wiring Diagram  
(Bottom View)

### Timing Modes

Modes are user selectable via screwdriver adjustment of recessed 4-position selector dial.

Modes offered are: On-Delay, Off-Delay, Interval and Latching Interval.

### Timing Specifications

**Timing Ranges** — 0.1 to 3 / 0.33 to 10 / 1 to 30 / 4 to 120 sec.; 0.33 to 10 / 1 to 30 / 2 to 60 min.; 0.33 to 10 hr.

**Timing Range Selection** — Screwdriver select via recessed 8-position selector dial.

**Timing Adjustment** — External knob potentiometer adjustment with reference calibrations.

**Accuracy** — Repeat Accuracy —  $\pm 1\% \pm 0.01$  sec.  
Overall Accuracy —  $\pm 3\% \pm 0.01$  sec.

**Reset Time** — 30 ms.

**Relay Operate Time** — On-Delay and Interval mode: 55 ms.

**Relay Release Time** — Off-Delay, Interval and Latching Interval: 40 ms.

### Contact Data @ 25°C

**Arrangements** — 2 Form C (DPDT).

**Rating** — 10A @ 28VDC or 120VAC, resistive; 1/3 HP @ 120/240VAC; 345VA.

**Expected Mechanical Life** — 10 million operations.

**Expected Electrical Life** — 500,000 operations, min., at rated resistive load.

**Initial Dielectric Strength** — Between Terminals and Case — 1,000VAC plus twice the nominal voltage for one minute.

### Input Data @ 25°C

**Voltage** — See Ordering Information section for details.

**Power Requirement** — 2W, max.

**Transient Protection** — Non-repetitive transients of the following magnitudes will not cause spurious operation of affect function and accuracy.

| Operating Voltage | <0.1 ms | <1 ms   |
|-------------------|---------|---------|
| 12VDC             | 1,000V  | 240V*   |
| 24VAC/VDC         | 1,000V  | 240V*   |
| 48 VAC/VDC        | 1,000V  | 480V*   |
| 120 VAC, 125VDC   | 3,000V  | 2,500V* |
| 240VAC/VDC        | 3,000V  | 2,500V* |

\*Minimum source impedance of 100 ohm

### Environmental Data

**Temperature Range** — Storage —  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .  
Operating —  $-30^{\circ}\text{C}$  to  $+65^{\circ}\text{C}$ .

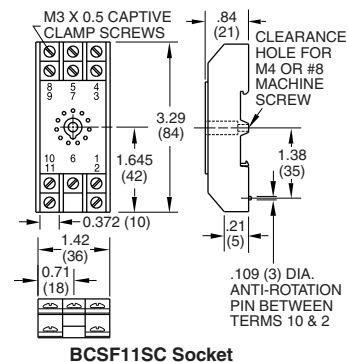
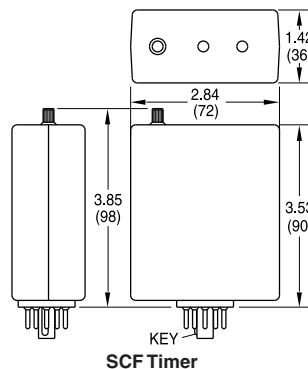
### Mechanical Data

**Mounting/Termination** — 11-pin octal-type plug for use with mating socket. Mount relay in horizontal position (pins horizontal, knob down, LEDs up).

**Status Indication** — Power On LED and Output Contacts LED.

**Weight** — Relay: 3.5 oz. (156g) approx.; Socket: 1.7 oz. (48.3g) approx.

### Outline Dimensions



### Ordering Information (All "X"s must be included to complete part number)

| SCF                                   | RX                                      | 90  | 2              | A                       | A  |
|---------------------------------------|---|---|----------------|-------------------------|--|
| Series SCF Plug-In Programmable Timer |   | Operating Mode  |                | Output Rating           |  |
|                                       |   | 90 = Multiple Modes<br>On-Delay<br>Off-Delay<br>Interval<br>Latching Interval |                | A = 10 Amp<br>B = 5 Amp |  |
|                                       | Mounting                                |   | Output         |                         | Operating Voltage (+10%, -15%)   |
|                                       | RX = Without Socket<br>RF = With Socket |   | 2 = DPDT Relay |                         | A = 120VAC, 50/60 Hz. / 125VDC<br>B = 240VAC, 50/60 Hz. §<br>E = 24VAC, 50/60 Hz. / 24VDC<br>F = 48VAC, 50/60 Hz. / 24VDC<br>Q = 12VDC |

§ Voltage Option B is only available with 5 Amp output option.

### Authorized distributors are likely to stock the following:

None at present.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[SCFRX902AA](#)