



# SCF series

## Programmable Time Delay Relay

- 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.

### 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.

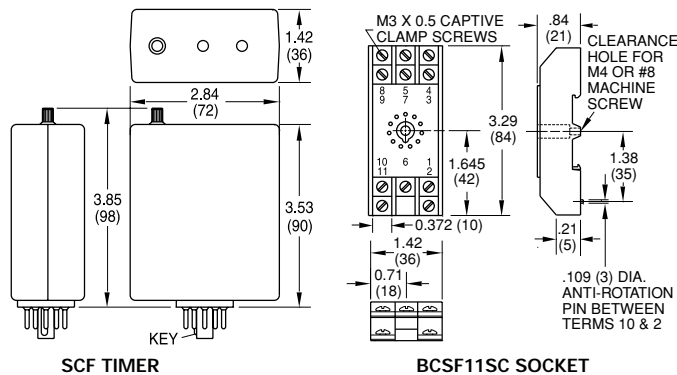
**Expected Mechanical Life:** 10 million operations.

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

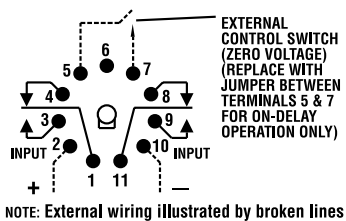
### Initial Dielectric Strength

**Between Terminals and Case:** 1,000VAC plus twice the nominal voltage for one minute.

### Outline Dimensions



### Wiring Diagram (Bottom View)



### 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°C to +85°C.

Operating: -30°C to +65°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.

### Ordering Information

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

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

None at present.