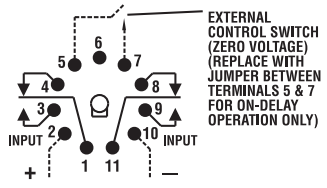
SCF Series, Programmable, Time Delay Relay

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 — ±1% ±0.01 sec.
Overall Accuracy — ±3% ±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°C to +85°C.
Operating — -30°C to +65°C.

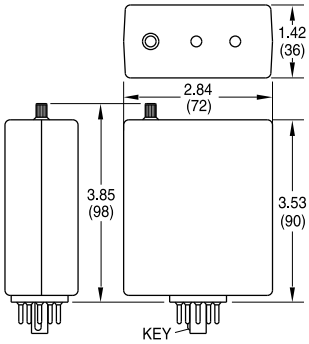
Mechanical Data

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

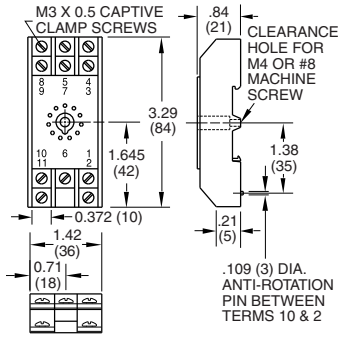
Status Indication — Power On LED and Output Contacts LED.

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

Outline Dimensions



SCF Timer



BCSF11SC Socket

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

SCF	RX	90	2	A	A
Series SCF	Mounting	Operating Mode	Output	Output Rating	Operating Voltage (+10%, –15%)

Series SCF
Plug-In Programmable Timer

Mounting
RX = Without Socket
RF = With Socket

Operating Mode
90 = Multiple Modes
On-Delay
Off-Delay
Interval
Latching Interval

Output
2 = DPDT Relay

Output Rating
A = 10 Amp
B = 5 Amp

Operating Voltage (+10%, –15%)
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.

Catalog 5-1773450-5
Revised 3-13

www.te.com

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

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Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

For additional support numbers please visit www.te.com