



SCB/SCC series

Specification Grade Discrete Plug-in Time Delay Relay

- On-Delay, Off-Delay and Interval timing modes
- 13 timing ranges from 0.1 sec. to 60 min.
- 10A DPDT output contacts
- Knob, fixed or external timing adjustment.
- Rated for pilot duty
- Premium components

File E60363

CE

File LR51332

File E60363 (SCC only)

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

On-Delay, Off-Delay and Interval.

Timing Specifications

Timing Ranges: 6 to 180 cycles; 0.1 to 3 / 0.1 to 10 / 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. (All are +5%, -0% of maximum values).

Timing Adjustment: Knob or fixed time (internal fixed resistor) – all models; customer supplied external potentiometer or resistor – On-Delay and Interval models only.

Accuracy: Repeat Accuracy: $\pm 0.5\% \pm 0.004$ sec.

Overall Accuracy: $\pm 2\%$ max.

Reset Time: 25 ms.

Relay Operate Time: Off-Delay mode: 30 ms; Interval mode: 20 ms..

Relay Release Time: On-Delay mode only: 15 ms.

Contact Data @ 25°C

Arrangements: 2 Form C (DPDT).

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

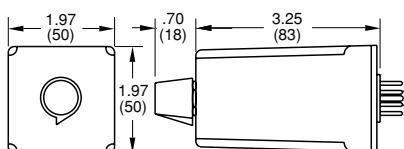
Expected Mechanical Life: 10 million operations.

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

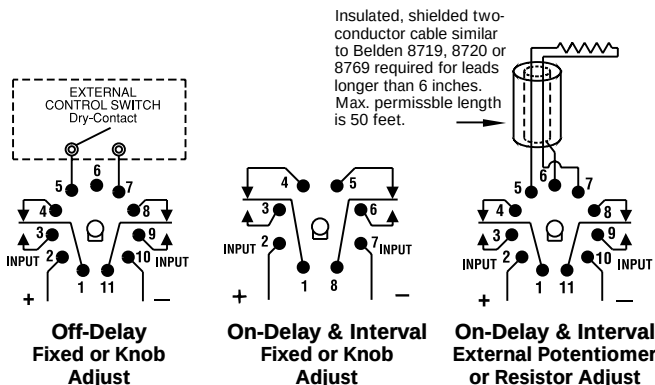
Initial Dielectric Strength

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

Outline Dimensions



Wiring Diagrams (Bottom Views)



Dimensions are shown for reference purposes only.

Dimensions are in inches over (millimeters) unless otherwise specified.

Input Data @ 25°C

Voltage: See Ordering Information section for details.

Power Requirement: 3W, 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
All except 12 & 24	3,000V	2,500
12 & 24	Consult Factory	

Environmental Data

Temperature Range:

Storage: SCB and SCC: -40°C to +85°C.

Operating: SCB: -30°C to +65°C; SCC: -30°C to +50°C.

Mechanical Data

Mounting/Termination:

SCB: UL recognized. Optional 8- or 11-pin octal-type sockets may be ordered separately.

SCC: 8- or 11-pin octal type sockets supplied with timer. (Must be used to qualify as "UL Listed" device.)

Weight: SCB: 5.3 oz. (149g) approx.; SCC: 7.5 oz. (210g) approx.

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

SCB	RX	01	2XX	A	A	XA
Series SCB Series SCC Discrete Industrial Timer		Operating Mode 01 = On-Delay 02 = Off-Delay 03 = Interval	Output 2XX = DPDT Relay		Timing Range A = 0.1 to 3 sec. B = 0.5 to 15 sec. C = 1 to 30 sec. D = 2 to 60 sec. E = 4 to 120 sec. F = 6 to 180 sec. G = 10 to 300 sec. I = 2 to 60 min. K = 3 to 180 cycles L = 0.33 to 10 min. M = 0.5 to 15 min. N = 1 to 30 min. P = 0.1 to 10 min.	Timing Adjustment XA = Knob Adjust XB = External Potentiometer or resistor (Operating modes 1 and 3 only). XF = Fixed Times – Specify time delay in seconds per the following examples: XF9.000 = 9 sec. XF99.00 = 99 sec. XF999.0 = 999 sec. XF1000 = 1000 sec.
Mounting Series SCB RX = 8- or 11-pin socket (order separately)						
Mounting Series SCC LA = 8-pin socket p/n BCSA08SC for operating mode 01 or 03 with knob adjust or fixed time. LC = 11-pin socket p/n BCSA11SC for operating mode 02; or 01 or 03 with external potentiometer or resistor.						
				Operating Voltage (+10%, -15%) A = 120VAC, 50/60 Hz. / 120VDC B = 240VAC, 50/60 Hz. E = 24VAC, 50/60 Hz. / 24VDC F = 48VAC, 50/60 Hz. / 48VDC Q = 12VDC		

Authorized distributors are likely to stock the following:

None at present.

Specifications and availability subject to change.

www.tycoelectronics.com
Technical support:
Refer to inside back cover.