

SCB/SCC Series, Specification Grade Discrete Plug-in, Time Delay Relay



Product Facts

- 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 3520, File E60363, File LR51332, File E60363 (SCC only)



Timing Specifications

Timing Modes —

On-Delay, Off-Delay and Interval

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.

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.

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.

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 $+85^{\circ}\text{C}$

Operating —
SCB: -30°C to $+65^{\circ}\text{C}$;
SCC: -30°C to $+50^{\circ}\text{C}$

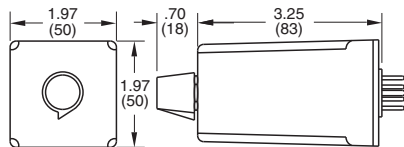
Mechanical Data

Mounting/Termination —

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

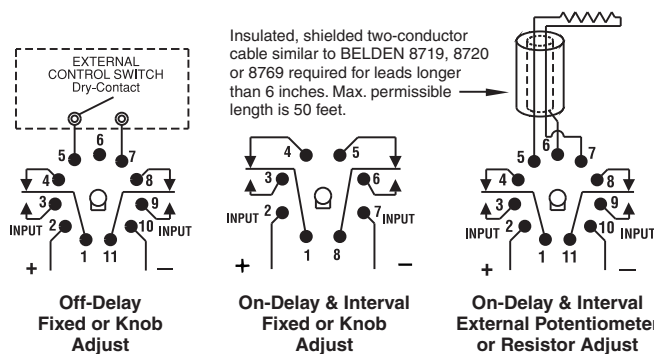
SCC — 8- or 11-pin octal type sockets supplied with timer. (Must be used to qualify as "UL Listed" device.)

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



Outline Dimensions

Wiring Diagrams (Bottom Views)



Insulated, shielded two-conductor cable similar to BELDEN 8719, 8720 or 8769 required for leads longer than 6 inches. Max. permissible length is 50 feet.

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

SCB	RX	01	2XX	A	A	XA
Series SCB 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 = 9999 sec. XF1000 = 1000 sec.
Mounting Series SCB RX = 8- or 11-pin socket (order separately)				Operating Voltage (+10%, -15%) A = 120VAC, 50/60 Hz. / 120VDC B = 240VAC, 50/60 Hz. / 24VDC E = 24VAC, 50/60 Hz. / 24VDC F = 48VAC, 50/60 Hz. / 48VDC Q = 12VDC		
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.						

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Revised 3-13

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

Dimensions are in millimeters unless otherwise specified.

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For additional support numbers please visit www.te.com

www.te.com

Authorized distributors are likely to stock the following:

None at present.

12

Specialty Relays