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:** ±0.5% ±0.004 sec.
Overall Accuracy: ±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.

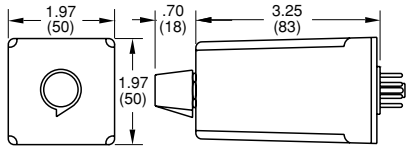
Contact Data @ 25°C

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.

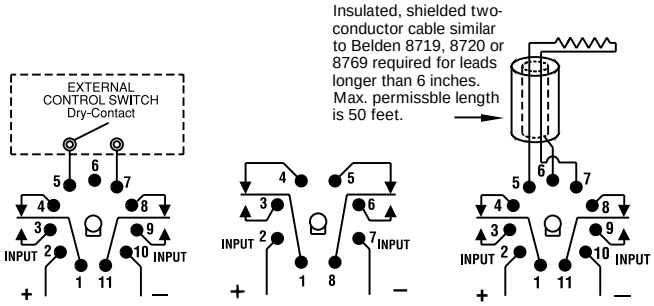
Initial Dielectric Strength

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

Outline Dimensions



Wiring Diagrams (Bottom Views)



Off-Delay Fixed or Knob Adjust | **On-Delay & Interval Fixed or Knob Adjust** | **On-Delay & Interval External Potentiomer or Resistor Adjust**

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

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 Mode
01 = On-Delay
02 = Off-Delay
03 = Interval

Output
2XX = DPDT Relay

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

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.

Authorized distributors are likely to stock the following:

None at present.