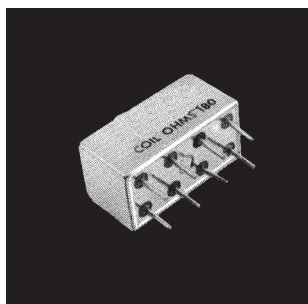


Double Pole, Electrically Held, 2 Amps and Less (Continued)

**Long-life Half size Industrial Relay
Type 3SCV (2PDT)**

Product Facts

- 100,000,000 operations at low-level
- Hermetic seal



The 3SCV is an exceptionally long life relay for low level applications which is designed for industrial applications such as business machines and computer peripheral equipment. The design is such that the phenomenon of sticking contacts is all but eliminated. Because of its low contact resistance and its ability to handle overloads the 3SCV relay is well suited for applications which have previously required reed devices.

Electrical Characteristics

- Contacts** — 2 Form C
- Contact Resistance** — 0.050 ohms; 0.100 ohms after life test
- Life** — 10⁵-2A 28 volts DC, 115 volts AC (not grounded, resistive) 0.5A
- Low-level — 100,000,000 operations — 50 µA at 50 mV Peak AC or DC
- Sensitivity** — 340 mW

Operating Characteristics

- Operate Time** — 6 ms max.
- Release Time** — 4 ms max.
- Contact Bounce** — 2 ms max.
- Enclosure** — All welded, hermetically sealed
- Terminals** — Weldable and solderable
- Dielectric Strength** — 500 volts rms at sea level
- Insulation Resistance** — 1,000 megohm min.

Environmental Characteristics

- Weight** — 0.30 oz.
- Vibration** — 10G, 10-2000 Hz
- Shock** — 50 G 6ms, 1/2 sine
- Temperature** — -14°C to +125°C

See page 1-39 for Mounting Forms, Terminals and Circuit Diagrams.

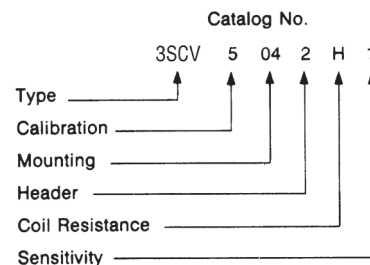
Coil Table (All Values DC)* 340 mW Sensitivity: (Code 1)

Coil Code Letter	Coil Resistance at 25C (ohms)	Voltage Calibrated, CODE: 5			
		Suggested Source Volts†	Maximum Operate Volts at 25C	Release Voltage Range at 25C	
				Max	Min
A	47 ± 10%	4.8-7	3.9	2.7	.43
B	75 ± 10%	6.1-9	4.9	3.4	.5
C	120 ± 10%	7.7-12	6.3	4.4	.69
D	180 ± 10%	9.5-15	7.7	5.4	.85
E	310 ± 10%	12.5-20	10.1	7.0	1.1
F	440 ± 10%	15.0-23	12.0	8.4	1.3
H	700 ± 10%	20.0-30	15.5	10.9	1.7
K	1030 ± 10%	24.0-35	18.5	12.9	2.0
L	1620 ± 10%	30.0-44	23.1	16.2	2.5
M	2640 ± 10%	39.0-56	29.5	20.68	3.2

Ordering Instructions

Catalog-selected Relays: The catalog number is derived by choosing the proper CODE for each of the six relay characteristics in the order in which the codes are listed.

Example: The relay selected in this example is a 2PDT half size relay, voltage calibrated, two-hole side bracket mounting, solder hook header, 700 ohms coil resistance, and 340 mW sensitivity. By choosing the proper code for each of these relay characteristics, the catalog number is identified as 3SCV5042H1. The letter R following sensitivity code indicates relay received 5000 operation miss-test. Ex. 3SCV5042H1R.



Double Pole, Electrically Held, 2 Amps and Less (Continued)

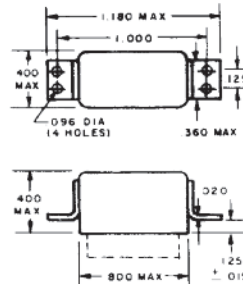
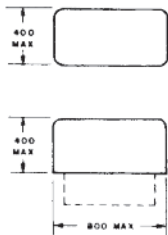
Mounting Forms (3SCV)

1
CII Low Signal Relays

No Mount

Mounting Code
00

* Assumes relay held securely by potting or other means.

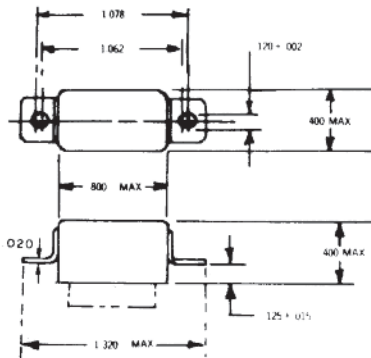


All dimensions in inches

TOLERANCES	
(Unless otherwise specified)	
Hundredths	±0.020
Thousandths	±0.005

Four-hole End Bracket

Mounting Code
01

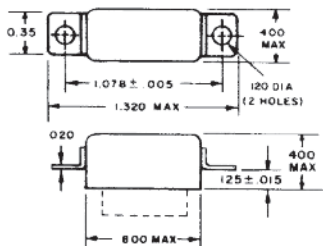
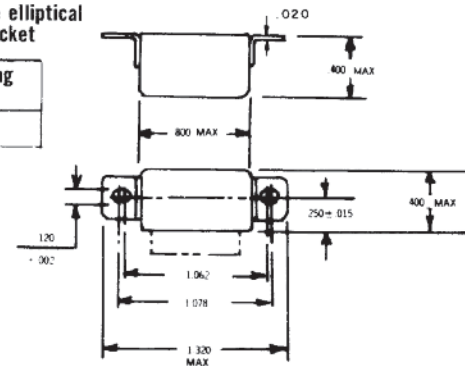


Two-hole elliptical END bracket

Mounting Code
53

Two-hole elliptical Side Bracket

Mounting Code
54

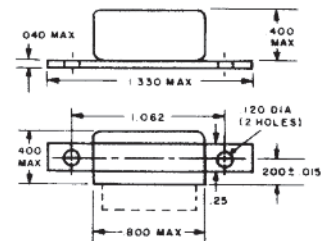


Two-hole End Bracket

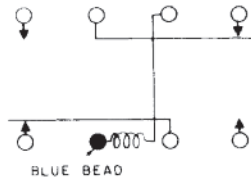
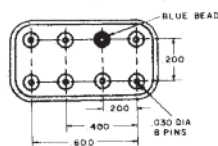
Mounting Code
13

Two-hole Side Bracket

Mounting Code
04



Header and Connection Diagrams



Header Types

Type	Z Dim.	Header Code
Solder hook	0.16	2
Straight pin (socket or PCB type)	0.19	4

