

Ratings

DPDT, 2 form C contacts,
2 amp @ 28VDC

Description

Reliability by design
Complete welded construction
Balanced armature
High contact force
Bifurcated contacts
Low profile, high density packaging
Mounting versatility
Weight: 0.3 ounce maximum
Terminals: Plug-in, printed circuit,
hook type, or 3" weldable leads
Enclosure: Hermetically sealed by welding

Performance Data

Operate Time (at +25°C):
4ms maximum at nominal coil voltage
Release Time (at +25°C):
4ms maximum at nominal coil voltage

Initial Contact Resistance:

0.05 ohms maximum

Insulation Resistance:

1000 megohms minimum

Contact Arrangements: 2 form C

Contact Ratings:

Low level

Non-inductive:

2 amp @ 28VDC

0.3 amp @ 115VAC, 60 to 400Hz

(1Ø, case grounded)

Inductive:

0.75 amp @ 28VDC

Dielectric Strength

1000V rms at sea level

500V rms between open contacts,

between coil terminals and case

350V rms at 80,000 feet.

Vibration: 5 to 28Hz at 0.5 inch double

amplitude, 28 to 2000Hz at a

constant 20g, 28 to 3000Hz at 30g

available on request

Shock: 50g operational

Ambient Temperature: -65°C to +125°C

Approvals

MIL-R-39016/6 and

MIL-R-5757 as applicable.

Type Designation and Coil Data

DC Resistance—Standard Tolerance = 10%

S Designation	Nominal DC Coil Data			Max. Pick-up Voltage		Drop-out Voltage @ +25°C
	Volts	Amps	Ohms	@ +25°C	@ +125°C	Minimum
S6H3-5VDC	5.0	.185	27	2.7	3.8	.2
S6H3-6VDC	6.0	.172	35	3.2	4.4	.3
S6H3-12VDC	12.0	.085	160	6.2	8.6	.6
S6H3-26.5VDC	26.5	.038	700	13.5	18.0	1.0
S6H3-48VDC	48.0	.020	2300	26.0	36.0	1.5

Note: for low level switching, use SL prefix instead of S.
Dimensions, Terminal and Mounting Variations on next page.
Other coils available. Consult factory.

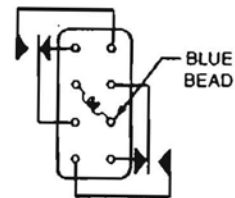
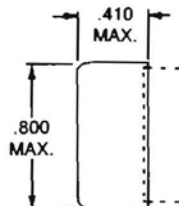
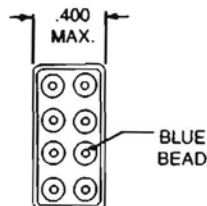
Ordering Information

☐ I ☐ II ☐ III ☐ IV ☐ V

- I. Type S or SL
- II. Contact type (6-DPDT)
- III. Mounting variation (A, B, C, D, H or O).
- IV. Terminal variation (1, 2 or 3).
- V. Coil voltage

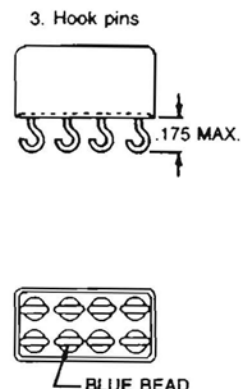
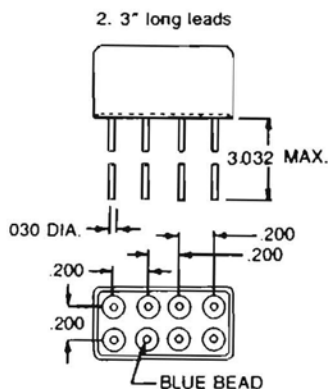
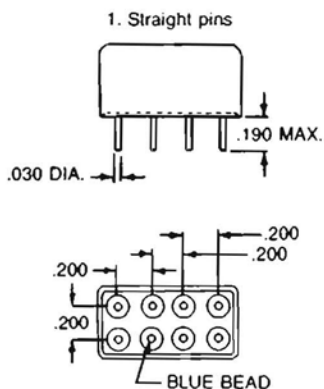
Example: S6A1-12VDC denotes an S relay—DPDT—straight pin terminals—no mounting bracket—12 volts DC (coil)

Dimensions & Schematics



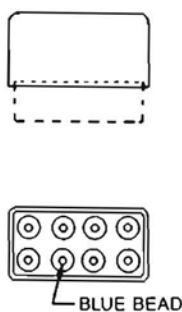
CIRCUIT DIAGRAM
UNENERGIZED

Terminal Variations

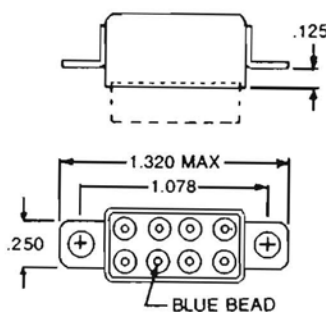


FOR PRINTED CIRCUIT APPLICATIONS MATES WITH ARMEL,
VIKING OR ANY STANDARD GRID SOCKET

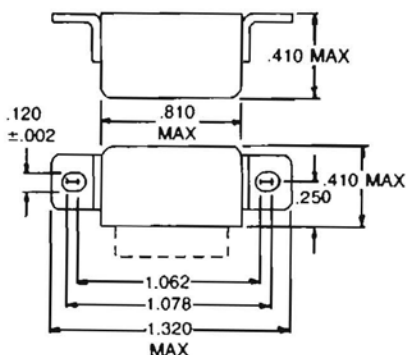
Mounting Variations



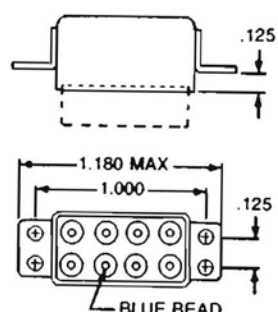
A. No bracket.



MOUNTING—.120 DIA HOLES (2)
B. Single hole—elongated
O. Single hole (as shown)



Bracket rotated 90°
C. Single hole—elongated
(as shown)
U. Single hole
S. Full side strap
(not shown)



MOUNTING—.096 DIA HOLES (4)
H. Two hole

Additional variations available upon request.