

Series S Military Relay

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

(10, 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.

			50000			23000
Ord	API					-
Orc	ern	10	ш	ori	mai	ОП

Type S or SL

Contact type (6-DPDT)

III. Mounting variation (A, B, C, D, H or O).

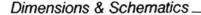
IV. Terminal variation (1, 2 or 3).

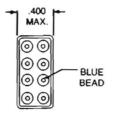
Coil voltage

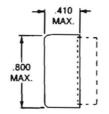
Example: S6A1-12VDC denotes an S relay-DPDT-straight pin terminals-no mounting bracket-12 volts DC (coil)

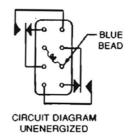


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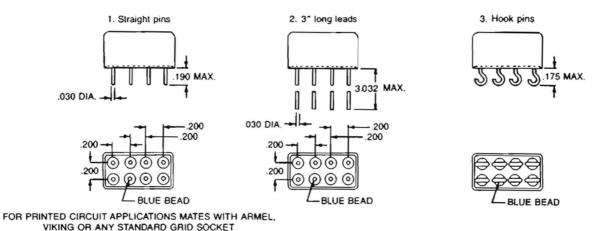




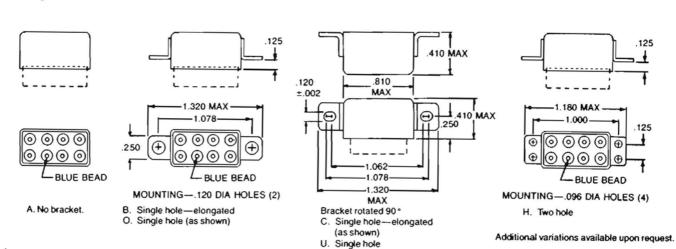




Terminal Variations



Mounting Variations.



S. Full side strap (not shown)