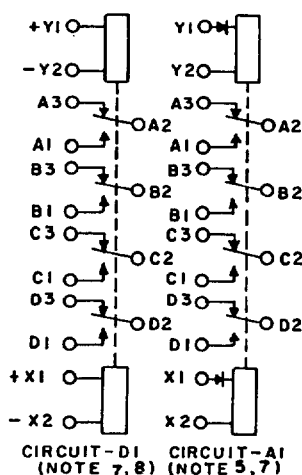
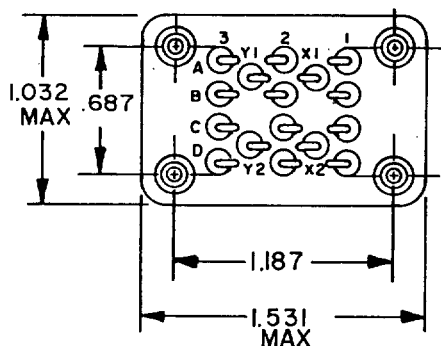
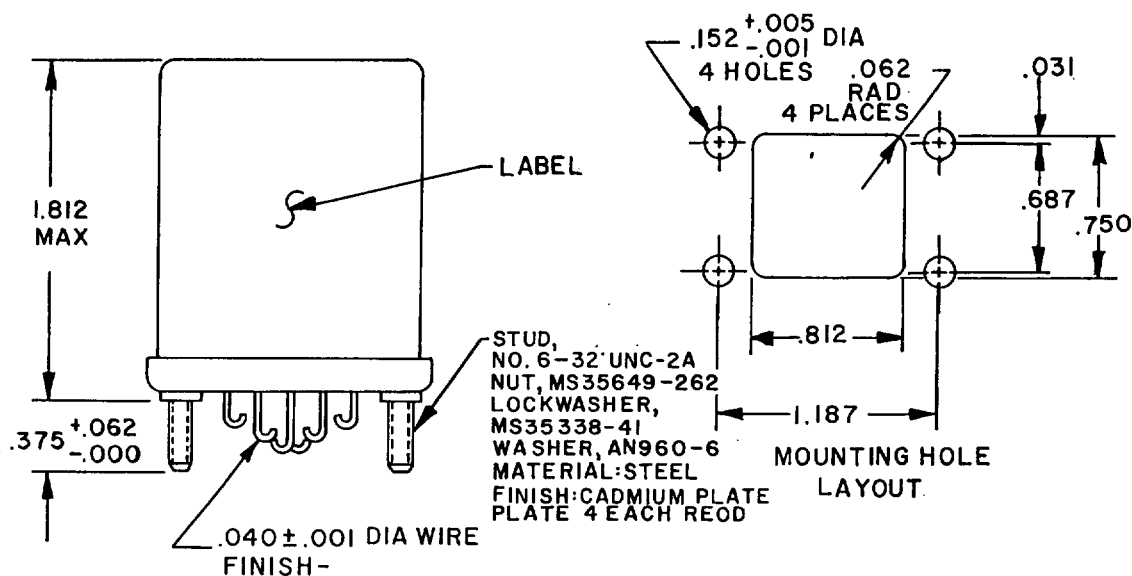


FED. SUP CLASS  
5945User activities: Army -  
Navy -  
Air Force -Review activities: Army - EC  
Navy - EC  
Air Force - 11

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Inches	mm
.000	0.00
.001	0.03
.005	0.13
.031	0.79
.040	1.02
.062	1.57
.152	3.86
.187	4.75
.375	9.53
.687	17.45
.750	19.05
1.032	26.21
1.531	38.89
1.812	46.02
1.187	30.15

D ENTIRE STANDARD REVISED

P.A. <b>AIR FORCE - 85</b> Other Cust Navy - AS	International Interest	TITLE RELAYS, ELECTROMAGNETIC, 5 AMPERES, 4 PDT, TYPE 1, MAGNETIC LATCH, SOLDER TERMINAL, STUD MOUNTED, HERMETICALLY SEALED	MILITARY STANDARD <b>MS 25467</b>
Procurement Specification MIL-R-6106		SUPERSEDES:	PAGE 1 OF 5

DD FORM 1 MAY 73 672  
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## NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are  $\pm 0.010$  (0.25 mm).
4. Terminal numbers need not appear on relay headers provided there is affixed to the relay a suitable legible circuit diagram that permanently and positively identifies each terminal location specified herein.
5. The use of diodes on ac relays is optional. Actual application must be shown on label.
6. Shock, vibration, and acceleration requirements applicable with coils de-energized.
7. Relay is magnetically latched in both positions.
8. Caution note to observe polarity must appear on relays with dc coils.
9. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.
10. Referenced Government documents of the issue listed in that issue of the Department of Defense Index of Specifications and Standards (DODISS) specified in the solicitation form a part of this standard to the extent specified herein.

TABLE I. Dash numbers and characteristics.

Dash number	Type	Coil	Terminal type	Mounting or mating socket	Max weight in pounds
MS25467-					
D1	I	dc	Solder hook	Stud	0.30
A1	I	ac	Solder hook	Stud	0.32

P.A.  
**AIR FORCE - 85**  
Other Cust  
NAVY - ASInternational  
InterestTITLE  
RELAYS, ELECTROMAGNETIC, 5 AMPERES, 4 PWT,  
TYPE I, MAGNETIC LATCH, SOLDER TERMINAL,  
STUD MOUNTED, HERMETICALLY SEALED

MILITARY STANDARD

**MS25467**Procurement Specification  
MIL-R-6106

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PAGE 2 OF 5

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Review activities: Army - EC  
Navy - EC  
Air Force - II

User activities: Army -  
Navy -  
Air Force -

P.A <b>AIR FORCE - 85</b> Other Cust <b>NAVY - AS</b>	International interest	TITLE RELAYS, ELECTROMAGNETIC, 5 AMPERES, 4 PDT, TYPE 1, MAGNETIC LATCH, SOLDER TERMINAL, STUD MOUNTED, HERMETICALLY SEALED	MILITARY STANDARD <b>MS25467</b>
Procurement Specification <b>MIL-R-6106</b>		SUPERSEDES:	PAGE 3 OF 5

TABLE II. Operating characteristics.

MS part no. MS25467 -	Coil data										Time - (milliseconds maximum)						
	Coil	Nominal			Max		Max pick-up voltage			Drop - out voltage	Operate 4/ 5	Contact bounce					
		Volts 1/ 2	Freq. Hz	Res Ω ±10%	Volts	Amperes 3/ 4	Normal 3/ 4	High temp test	Cont current test			Release 5/ 6	Main		Aux		
													NO	NC		NO	NC
D1	X1, X2 Y1, Y2	28	dc	200	29	0.17	18	18	19.8	N/A	25	2	2				
A1	X1, X2 Y1, Y2	115	400 2/ 1	N/A	122	0.07	90	90	95	N/A	25	2	2				

1/ CAUTION: Use of any coil voltage less than nominal coil voltage will compromise the operation of the relay.  
2/ MS25467-A1 may be used on 60 Hz if maximum ambient temperature is limited to +85°C (maximum coil current shall be 0.077 ampere).  
3/ Over the temperature range.  
4/ With nominal coil voltage.  
5/ From nominal coil voltage.

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User activities: Army -  
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TABLE III. Rated contact load (amperes per pole) (case grounded).

Type of load	Life operating cycles X 10 <sup>3</sup>	28 V dc		115 V ac, 1 phase				115/200 V ac, 3 phase 1/				See appropriate notes
		Main	Aux	Main	Aux	Main	Aux	Aux				
		NO	NC	NO	NC	400 Hz	60 Hz	400 Hz	60 Hz	400 Hz	60 Hz	
Resistive	100	5	5		5	4						
Inductive	100											
Inductive	20	3	3		3	2						
Motor	100	1.5	1.5		1.5	1						
Lamp	100	0.8	0.8		0.8	0.6						
Transfer load												2/
Mechanical life reduced current	400	1.25	1.25		1.25	1						
Intmd current		Applicable per specification										

1/ Absence of value indicates relay is not rated for 3-phase applications.  
2/ Transfer load indicates relay suitable for transfer between unsynchronized ac power supplies at rating indicated.

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P.A.  
**AIR FORCE - 85**  
Other Cust  
**NAVY - AS**

International  
interest

TITLE

RELAYS, ELECTROMAGNETIC, 5 AMPERES, 4 PDT,  
TYPE I, MAGNETIC LATCH, SOLDER TERMINAL,  
STUD MOUNTED, HERMETICALLY SEALED

MILITARY STANDARD

**MS25467**

Procurement Specification  
**MIL-R-6106**

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PAGE 4 OF 5

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Review activities: Army -  
Navy -EC  
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User activities: Army -  
Navy -  
Air Force -

### Environmental characteristics

Temperature range -70°C to +125°C  
Max altitude rating 80,000 ft  
Shock G-level 50 G  
Duration 11 ms  
Max duration contact opening 10 µs  
Vibration - sinusoidal 10 G  
G-level 10 G  
Frequency range 5 - 1500 Hz  
Acceleration 15 G

### Electrical characteristics

Insulation resistance, initial 100 megohms  
After life or environmental tests 50 megohms

Dielectric strength initial (sea level)  
Initial After life tests  
Coil to case 1,000 V rms 1,000 V rms

Aux contacts

All other points 1,000 V rms 1,000 V rms

Dielectric strength (altitude) (When mounted in mating socket)  
80,000 ft  
250 V rms

Coil to case

Aux contacts

All other points 250 V rms

Max contact drop initial 0.150 volt  
After life test 0.175 volt  
Overload current 20 amperes  
Rupture current 25 amperes  
Duty rating Continuous  
RFI specification MIL-STD-461  
(Applicable to coil circuits of ac operated relays)

P.A. <b>AIR FORCE - 85</b> Other Cust <b>NAVY -</b>	International Interest	TITLE RELAYS, ELECTROMAGNETIC, 5 AMPERES, 4 PDT, TYPE I, MAGNETIC LATCH, SOLDER TERMINAL, STUD MOUNTED, HERMETICALLY SEALED	MILITARY STANDARD
Procurement Specification <b>MIL-R-6106</b>			<b>MS25467</b> PAGE 5 OF 5