



DEFENSE LOGISTICS AGENCY
WEAPONS SUPPORT
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MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

15 July 2026

SUBJECT: Initial Drafts of MIL-DTL-15291J, /1D, /2D, /5D, /7D, /8D, /9D, /11D, /12E and /13D
Project Numbers: 5930-2026-055 and -064.

The subject documents are now available for viewing and downloading from the DLA Land and Maritime - VA website:

<https://landandmaritimeapps.dla.mil/programs/milspec/initialdrafts.aspx>

The following is a synopsis of the changes:

Update to current MIL-STD-961 and DLA L&M SOP requirements.

Concurrence or comments are required at this Center no later than 14 August 2026. If comments are not received during the allotted coordination period, concurrence may be assumed. Late comments may be held for the next specification action. Comments from military departments must be identified as either "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for consolidating the department reply.

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Mark Rush
Acting Chief
Electronic Components Branch

NOTE: This draft, dated July 10, 2026 prepared by DLA-CC,
has not been approved and is subject to modification.
DO NOT USE PRIOR TO APPROVAL.
(Project 5930-2026-058)

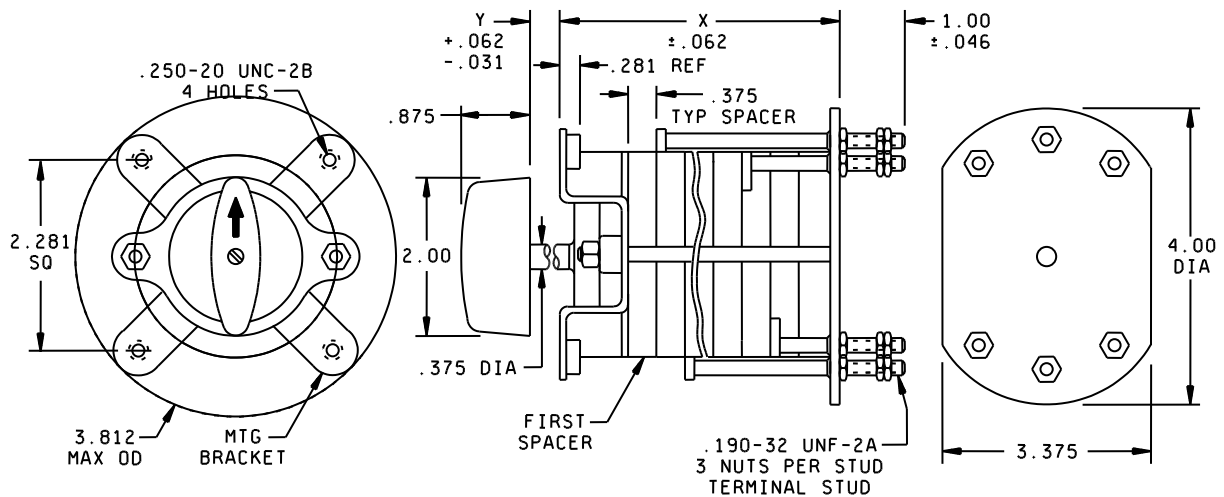
INCH-POUND
MIL-DTL-15291/5D
DRAFT
SUPERSEDING
MIL-DTL-15291/5C
21 January 2022

DETAIL SPECIFICATION SHEET

SWITCHES, ROTARY, SNAP ACTION CLASS 3SR FRONT MOUNTED, BACK CONNECTED

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the switch described herein shall consist of this specification and the latest issue of [MIL-DTL-15291](#).



NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ± 0.015 .

FIGURE 1. Class 3SR switch (up to 6 studs).



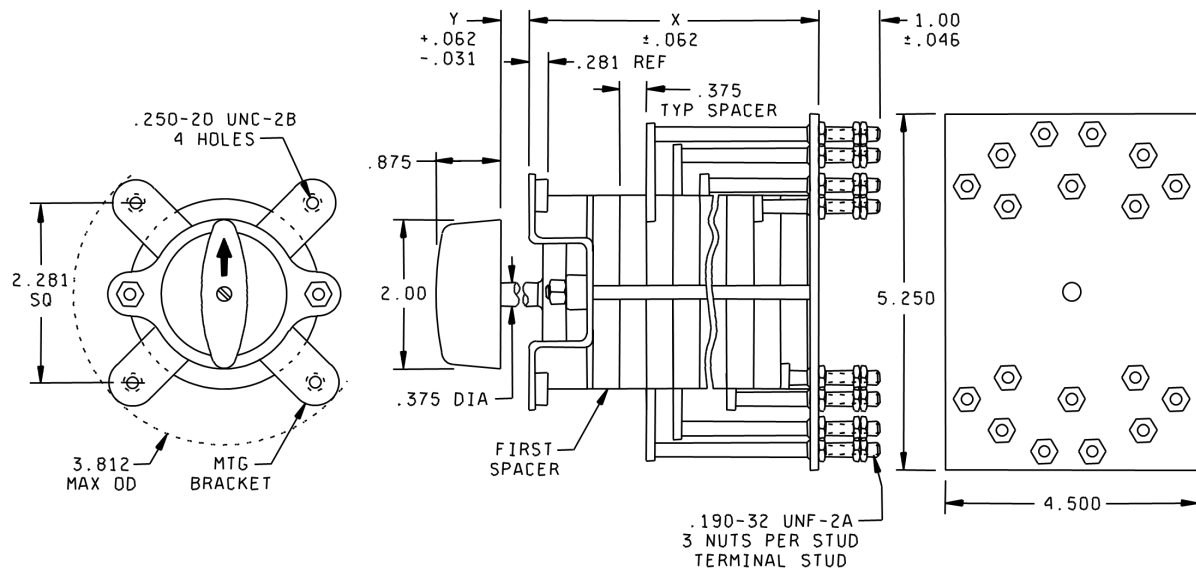
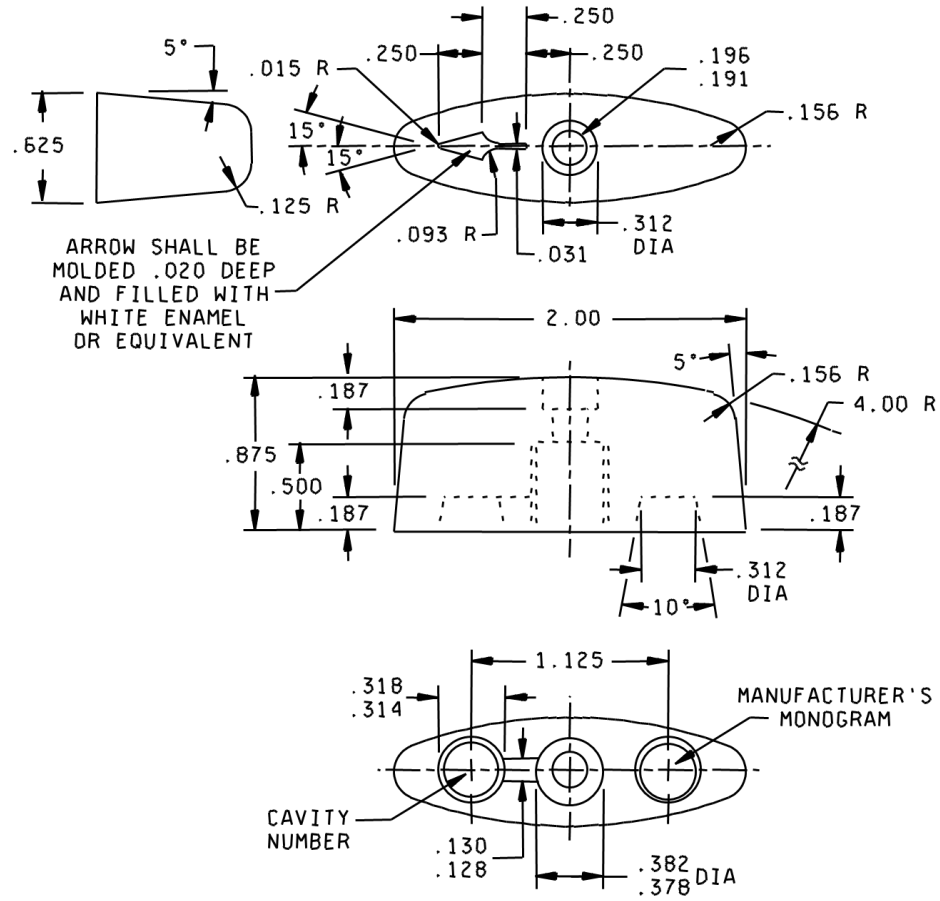


FIGURE 2. Class 3SR switch (up to 18 studs).

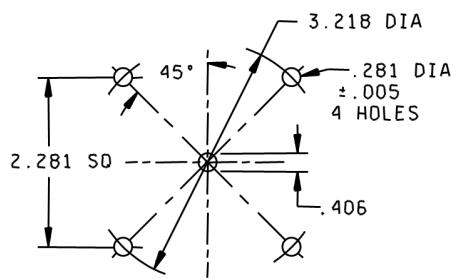
DRAFT MIL-DTL-15291/5D DRAFT



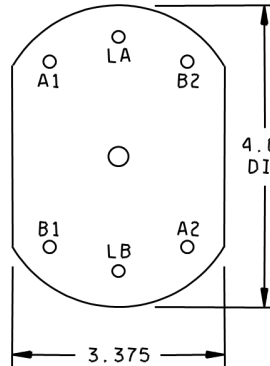
PIN M15291/5-100

FIGURE 3. Handle.

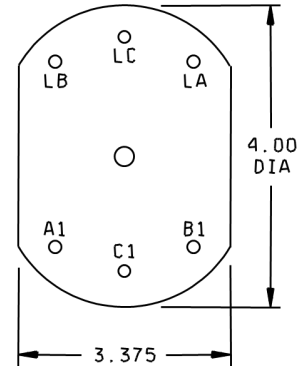
DRAFT MIL-DTL-15291/5D DRAFT



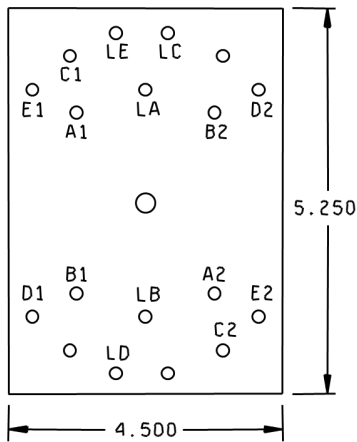
MOUNTING DIMENSIONS



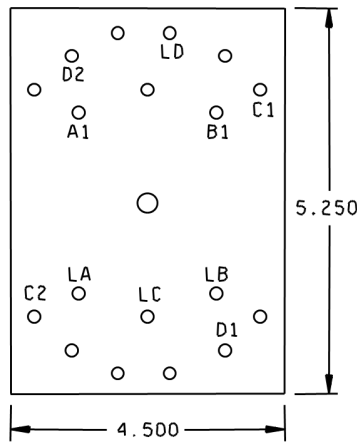
DETAIL A



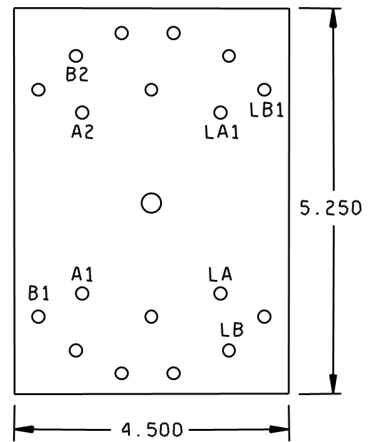
DETAIL B



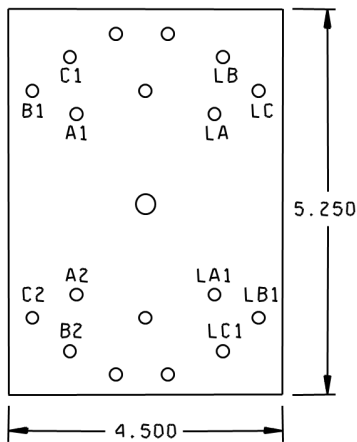
DETAIL C



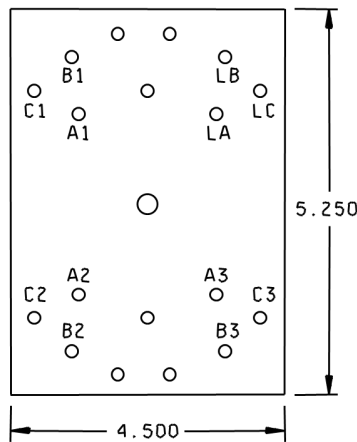
DETAIL D



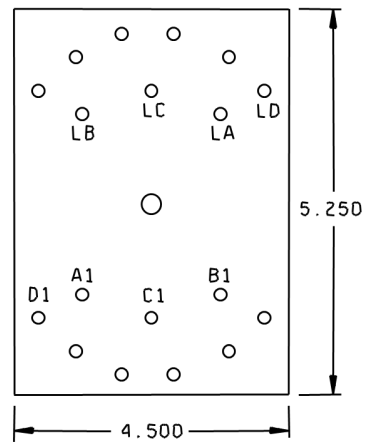
DETAIL E



DETAIL F



DETAIL G



DETAIL H

NOTE: Viewed from the rear of the switch.

FIGURE 4. Mounting dimensions and terminal stud locations

DRAFT MIL-DTL-15291/5D DRAFT

MIL-STD-15291/5 DASH NO. TYPE DESIGNATION	DETAIL REF TORQUE IN-LBS	"X" DIM "Y"	HANDLE OR SHAFT POSITION	CIRCUIT AND SPACER CONFIGURATIONS ROTOR POSITION, SPACER LOCATIONS, TERMINAL MARKING AND LOCATIONS											NOTES		
-001	FIG. 1 DETAIL B	2.375		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-002	FIG. 1 DETAIL B	2.750		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-003	FIG. 2 DETAIL H	3.125		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-004	FIG. 1 DETAIL A	3.125		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-005	FIG. 2 DETAIL C	3.875		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-006	FIG. 2 DETAIL C	5.375		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-007	FIG. 2 DETAIL G	3.875		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-008	FIG. 2 DETAIL E	3.125		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-009	FIG. 2 DETAIL F	3.875		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
-010	FIG. 2 DETAIL D	3.875		NO 1		NO 2		NO 3	NO 4	NO 5	NO 6	NO 7	NO 8	NO 9	NO 10	NO 11	
	9	.437															
35RA41	9	.437															

REQUIREMENTS:

Applicable specification: [MIL-DTL-15291](#).

Dimensions and mounting: See figures 1 through 4.

Switching characteristics: See table I.

Angle of throw: 90 degrees.

Switching action: Snap action, reciprocating.

Electrical and endurance ratings: See table II.

Stop strength (applicable to switches with stops): 100 inch-pounds.

Vibration: 50 Hz, [MIL-STD-167-1](#).

Shock: High impact, [MIL-DTL-901](#).

Overload: 600 percent of ac rating, 50 make and break operations.

Contact resistance: 0.01 ohms maximum.

Dielectric withstanding voltage: 2,000 V rms.

Insulation resistance: 200 megohms minimum.

Temperature rise: 50°C maximum.

Mounting screws: .250-20UNC-2A (4) length and head style to suit application. Screws not furnished.

TABLE II. Electrical and endurance ratings.

Tests	Current (amperes)	Voltage (volts)	Electrical operations (number of operations)	Test rate (operations per minute)	De-energized operations (number of operations)
Alternating current (rms)	30	500	20,000	30	10,000
Direct current	30	250	15,000	15	---

Terminal marking: Terminal markings shall be in accordance with details A through H, as specified in table I. Terminal markings in table I are as viewed from the front (handle end) of the switch.

Switches not covered by specification sheets: Switches which are fabricated from standard parts, as used in qualified switches, but which do not comply with switches detailed herein with respect to circuit characteristics, switching action, mounting arrangement, and handle details may be acquired under this specification from contractors having qualification approval under this specification.

Extended ratings: Switches detailed herein have been tested and found satisfactory at the extended rating listed in table III. Reduced life expectancy must be anticipated for switches used at these increased voltage or current levels. Tests under the conditions of table III are not required for qualification acceptance and they are not repeated routinely as for maintenance of qualification. Supplemental evaluations and tests applicable to particular circuit requirements are recommended.

TABLE III. Extended ratings

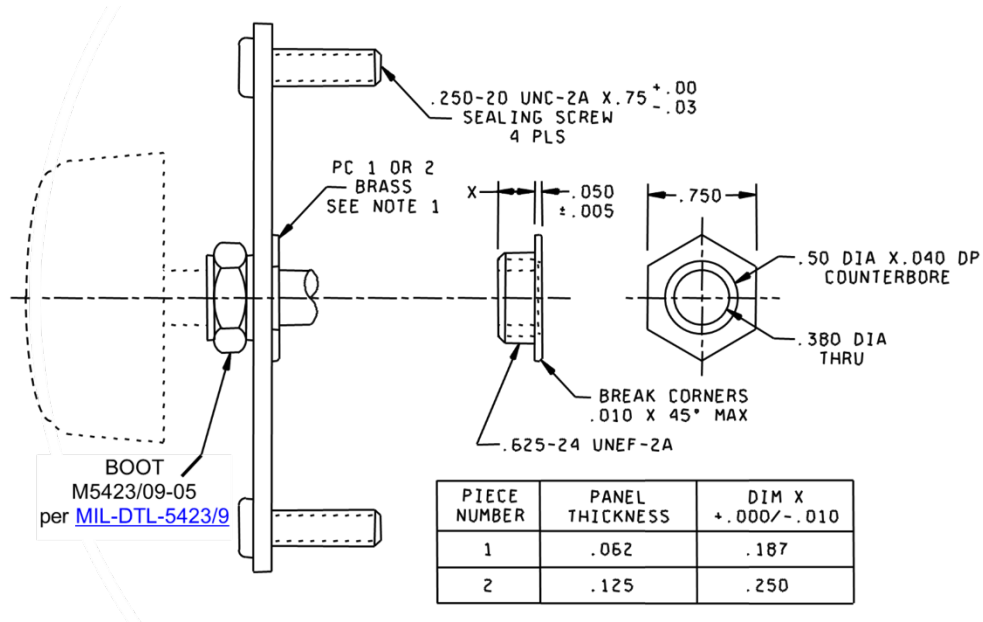
Switching character- istics	AC 60 or 400 Hz											
	125 volts				250 volts				500 volts			
	Resistive or lamp load		Inductive load 0.75 p.f.		Resistive or lamp load		Inductive load 0.75 p.f.		Resistive or lamp load		Inductive load 0.75 p.f.	
	Amp.	Operations	Amp.	Operations	Amp.	Operations	Amp.	Operations	Amp.	Operations	Amp.	Operations
All	30	20,000	30	20,000	30	20,000	30	20,000	30	20,000	30	20,000
E, F	40	6,000	40	6,000	--	--	--	--	--	--	--	--
A, B <u>1/</u>	40	6,000	40	6,000	30	6,000	30	6,000	30	6,000	30	6,000
	DC											
	120 volts				250 volts				350 volts			
	Resistive or Lamp load		Inductive load ³		Resistive or Lamp load		Inductive load ³		Resistive or Lamp load		Inductive load ³	
	Amp.	Operations	Amp.	Operations	Amp.	Operations	Amp.	Operations	Amp.	Operations	Amp.	Operations
All	30	13,000	25	6,000	15	13,000	--	--	--	--	--	--
A, B	30	15,000	25	6,000	25	6,000	25	6,000	15	6,000	15	6,000
A, B <u>3/</u>	--	--	--	--	30	15,000	--	--	--	--	--	--

1/ Single pole break - all other ratings are based on breaking both sides of the line in accordance with figures 1 and 2 of [MIL-DTL-15291](#).

2/ 0.08 henry for inductive current.

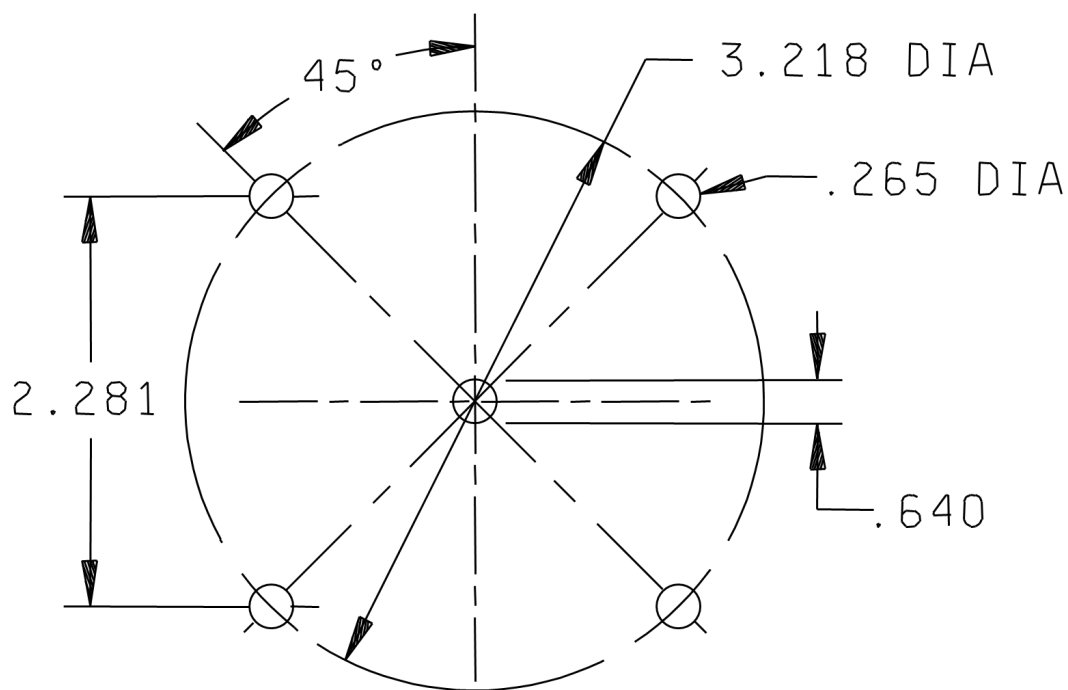
3/ Switch with special arc snuffers.

Sealed mounting: Switches listed in table I as having "Y" dimensions not less than 7/16 inch can be mounted with a kit, figure 5, to effect a submersible seal (SBM 15) between switch and mounting panel. Panel drilling must comply with figure 6. Kits not supplied unless specified (see 6.2 of [MIL-DTL-15291](#)).



NOTE: Finish shall be zinc and dichromate, [ASTM-B633](#).

FIGURE 5. Kit for panel seal mounting.



NOTE: Do not chamfer mounting holes. Breaking 1/64 maximum permissible.

FIGURE 6. Panel drilling for mounting kit.

APPLICATION AND ACQUISITION GUIDE: PIN and type designation cross reference shall be as shown on table IV.

TABLE IV. Application and acquisition guide.

M15291/5 dash no.	Type designation	For new or existing design	For replacement	Circuit configuration
-001	1SR2A1	X		A (off-on-off-on)
-002	1SR3A1	X		A (off-on-off-on)
-003	3SR4A1	X		A (off-on-off-on)
-004	3SR4A1	X		B (off-on 1-off-on 2)
-005	3SR3B1	X		B (off-on 1-off-on 2)
-006	---	X		B (off-on 1-off-on 2)
-007	3SR3E1	X		E (off-on 1-on 2-on 3)
-008	3SR4F1	X		F (off-on 1-on 1 and 2-on 2)
-009	3SR6F1	X		F (off-on 1-on 1 and 2-on 2)
-010	3SR4S1	X		S (see table I)

Referenced Documents:

[MIL-DTL-15291](#)
[MIL-DTL-5423/9](#)
[MIL-DTL-901](#)
[MIL-STD-167-1](#)
[ASTM-B633](#)

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the previous issue.

Custodians:
Navy - SH
DLA - CC

Preparing activity:
DLA - CC

(Project 5930-2026-058)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil/>.