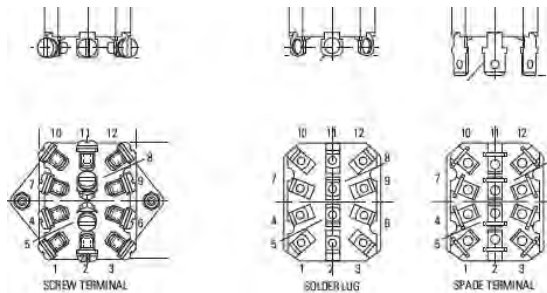


# SAFRAN ELECTRICAL & POWER

## TECHNICAL BULLETIN vol. 1



Screw Terminal  
MIL-DTL-3950 (5 in. lbs.)



Terminal Identification

In reference to several recent individual reoccurring issues involving the administration of torque values for various Safran Switch series by end users of the product line; Safran will release Technical Bulletins outlining the most common mounting and torque standards relating to the most common customer induced damage non-conformances.

In the following weeks, additional technical bulletins will also be released covering the other product lines with associated torque values and engineering data deemed useful to end user applications, i.e.: Circuit Breakers, Relays, and RCCB's.

This series of technical bulletins will be a general overview of information already included in the Safran catalog ("Reference Documents: Rating, Cross Reference and Eng. Data" Pgs. H8-H9), but will also include Quality and Mechanical Engineering input viewed as pertinent and necessary for optimal installation and use.

### SWITCHES

MIL Specifications are associated with Military Part Numbers to Safran Electrical & Power Catalog Numbers. The Cross Reference Guide is also available in the Safran Catalog pgs. H2-H7. The below table indicates specific torque value Per MIL Specification. First for purpose of determining "Terminal" values and next for "Mounting" purposes:

#### MIL SPECIFICATION

TEST REQUIREMENT	MILPRF-8805	MIL-PRF-22885	MIL-DTL-3950	MIL-DTL-8834
<b>Strength of Terminal</b>	Solder - 9 lb. (pull/vertical test) #4 Screw - 5 lb. #6 Screw - 30 lb.  Leads - 15 lb.	Solder - 5 lb. (pull) #4 Screw - 5 lb. #6 Screw - 30 lb.  Leads - 15 lb.	5 lb. solder lug. (pull test) 25 lb. screw term. (pull test) 5 lb. in. torque screw term.  15 lb. I.W.T.S. term.	5 lb. solder lug 25 lb. screw term. 5 lb. in. torque screw term.  5 lb. I.W.T.S. term.
<b>Strength of Mounting Means</b>	15 lb.-in.	15 lb.-in.	25 lb.-in. torque	65 lb.-in. torque 15/32 & over 15 lb.-in. torque under 15/32

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