



Flag Faston Insulator 250 SRS Closed

1. SCOPE

1.1 Content

This Specification covers the performance, tests and quality requirements of the Hsg. Flag. 250 srs. Faston Rec tested with Flag Rec Contact 280050, 180464. These connectors are suitable for Automotive and/or Consumer- Goods Applications.

1.2 Qualification

When tests are performed on the subject product, the procedure specified in TE 109-197 Specification shall be used. All inspections shall be performed using the applicable inspection plan and product drawing.

2. APPLICABLE DOCUMENTS

The following documents form a part of this specification to the extent specified herein. In the event of conflict between the requirements of this specification and the product drawing, the product drawing shall take precedence.

2.1 TE Documents

109-1	General Requirements for Testing.
109-197	Cross reference between TE Test Specification and EIA and IEC Test Methods.
108-37014	Product Specification , Faston Terminals
114-2025	Application Specification – Crimp height must be in accordance with dimensions specified on the relevant applicator log. <i>Remark: used as reference only.</i>
114-2071	
114-2065	
501-37020	Qualification Test Report – Hsg Flag 250 srs Rec W/ Cover

2.2 Other Standards

- EIA 364-21C & IEC 60512-3-1
- EIA 364-20B & IEC 60512-4-1

3. REQUIREMENTS

3.1 Design and Construction

Product shall be of the design construction and physical dimensions specified on the applicable product drawing.

3.2 Materials

According to product drawing.

3.3 Ratings

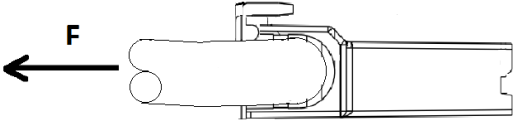
a) Maximum Operating Temperature (Ambient temperature plus temperature rise due to electric current flow) :

- Brass or Phosphor Bronze without finish : 90 °C
- Brass or Phosphor Bronze Tin Plated : 110 °C
- Brass or Phosphor Bronze Silver Plated: 130 °C

3.4 Performance and Test Description

The product is designed to meet electrical, mechanical and environmental performance requirements specified. All tests are performed at ambient environmental conditions per TE Specification 109-1 unless otherwise specified.

4. TEST REQUIREMENTS AND PROCEDURES SUMMARY

ITEM	FEATURES	TEST CONDITIONS	LIMITS
4.1	Examination of Product	Visual, dimensional and functional per applicable quality inspection plan.	Meets requirements of product drawing.
Electrical			
4.2	Insulation Resistance	Between two adjacent contacts apply 500 Vdc for 1minute.	10 MΩ minimum. According to EIA-364-21C or IEC 60512-3-1
4.3	Dielectric Withstanding Voltage	Between two adjacent contacts apply voltage for 1 minute.	1500 Vac. According to EIA 364-20B or IEC 60512-4-1.
Mechanical			
4.4	Housing opening resistance	<p>Pull the cable.</p> 	F ≥ 10N
Environmental			
4.5	Accelerated ageing	To be performed only on insulated contact. 200 hours at 90°C ± 2°C	No deformation or cracks are permissible, but only pigment change. It was used as reference 108-20109, test 3.2.6. Mechanical performance as specified in 4.4

Reviews					
Rev.	Date	Description	Edited	Checked	Approved
B	21-Dec-2016	D20161221080040_649748	R. Gomes	H. Canteri	W. Stefani