



**6,3 FASTON<sup>+</sup> RECEPTACLES AND TABS SLEEVES**

**1. SCOPE**

1.1 Content

This specification covers the performance, test and quality requirements for the 1 way FASTON<sup>+</sup> Receptacle and FASTON<sup>+</sup> Tab Sleeves, PN 735075, 735098 and 336369.

1.2 General Requirements

Product will be of the design, construction and physical dimensions specified on the applicable 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 will take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification will take precedence.

2.1 AMP Specifications

- 109-1: General Requirements for test specifications.
- 109 Series: Test Specifications as indicated in Figure 1.

**3. REQUIREMENTS**

3.1. Design and Construction

Dimensions and product features will be in accordance with the specified in point 1.2. of this document.

3.2. Materials

Maximum Ins Dia	Material	Flammability	Part Number
4,0	PA 6/6	UL 94 V-2	1-735075-X
3,5	PA 6/6	UL 94 V-2	2-735093-X
3,5	PE	--	735093-X
4,0	PA 6/6	UL 94 V-0	3-735075-5
4,0	PP	--	735075-X
4,0	PA 6/6	UL 94 V-2	336369-X
4,0	PA 6/6	UL 94 V-0	3-336369-X

3.3. Ratings

- A Operating Temperature: From -25°C to 105°C, depending on material.
- B Voltage and Temperature: 220 Vac at 16 A. max.

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#### 4. PERFORMANCE AND TESTS DESCRIPTION

Sleeves will be designed to meet the mechanical and electrical performance requirements specified in Figure 1.

TEST SEQUENCE			
TEST DESCRIPTION	REQUERIMENT		PROCEDURE
Examination of Product	Meets requirements of product drawing		Visual, dimensional and functional per applicable inspection plan
ELECTRICAL			
Insulation Resistance	Test Voltage: 500 Vcc during 1 minute applied between inserted terminal and a metallic wrapper in contact with the sleeve external wall		$\geq 10 \text{ M}\Omega$
MECHANICAL			
Contact Insertion Force	P/N	Max. Effort (Kg)	Fixing the sleeve into a support by pulling cable at rate of 25mm / min and in a distance of 15 mm from the insulation crimp. The terminal must remain free to pivote during the insertion.
	735075-X	4,5	
	1-735075-X	4,5	
	3-735075-5	6	
	336369-X	2,5	
	3-336369-X	2,5	
Contact Retention Force	P/N	Min. Effort (Kg)	Measure the pull out force of the inserted terminal into sleeve by stretching cable at rate of 25 mm/min Sleeves must remain at $23^{\circ} \pm 1^{\circ} \text{ C}$ , 48-52% RH for 48 h before test ,acc. IEC spec 68-1
	735075-X	8	
	1-735075-X	8	
	3-735075-5	8	
	336369-X	8	
	3-336369-X	8	

Figure 1

#### 5. QUALIFICATION

The product described in this specification has to overcome successfully all the tests specified in point 4. Afterwards and according with this specification, it will be considered qualified.