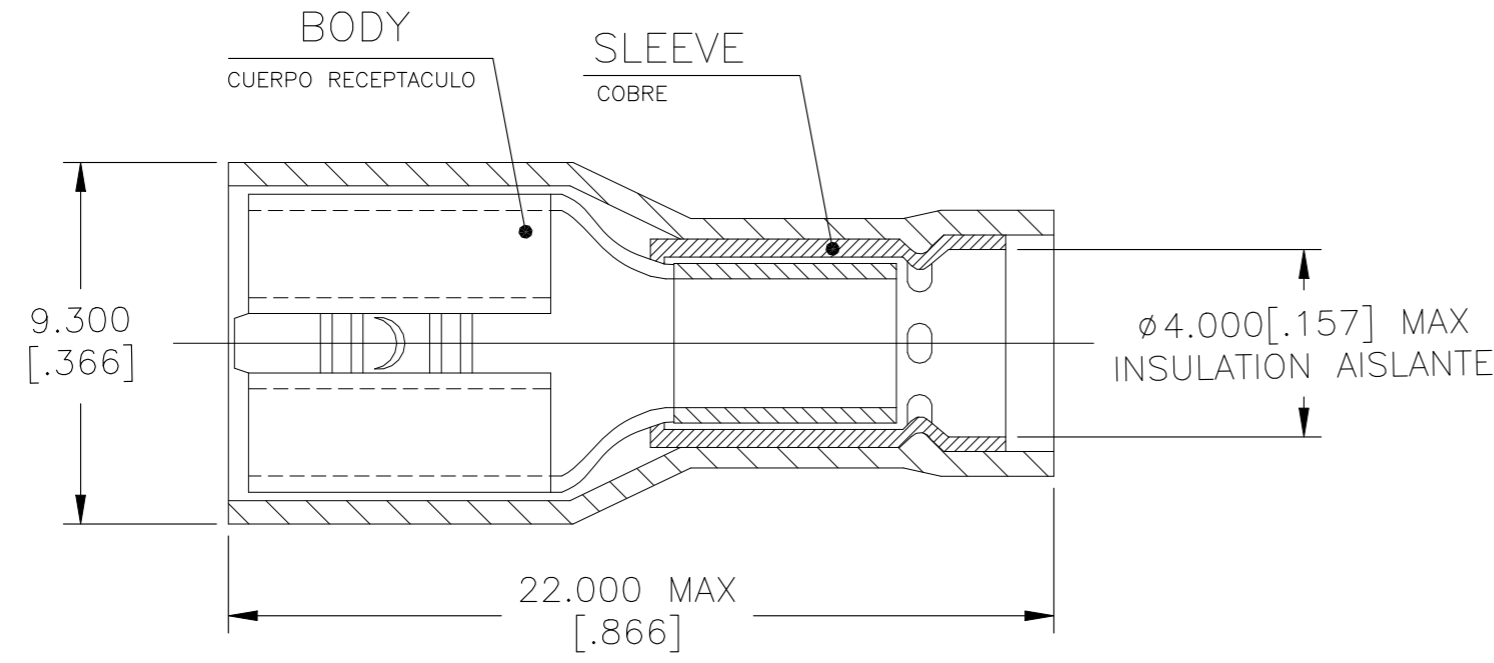


REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
	F3	REVISED PER ECN-21-127537	23NOV2021	RK CDS



1. MATERIAL:
 BODY: SEE TABLE
 SLEEVE: COPPER PER ASTM B152
 INSULATION: POLYAMIDE 6/6 (NYLON) PER ASTM D4066

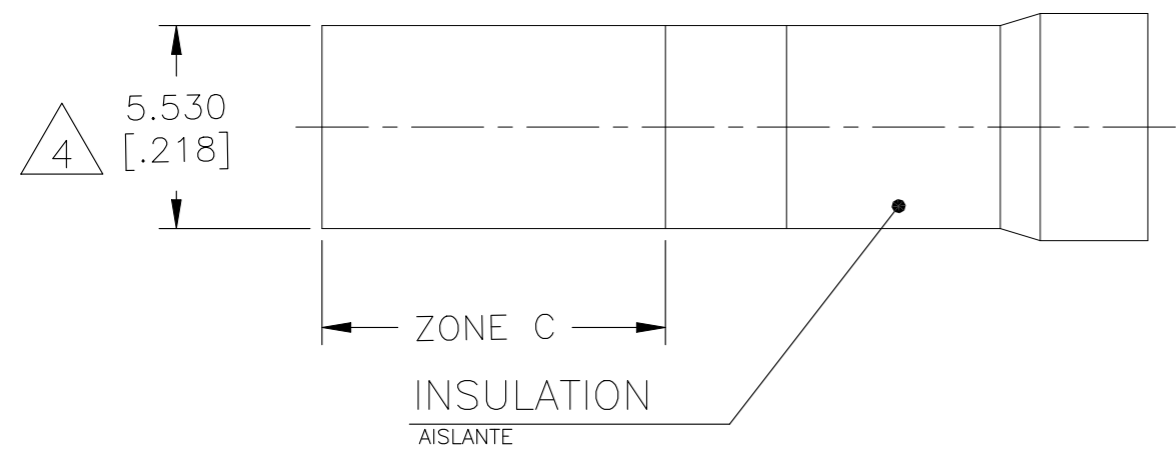
MATERIAL:
 CUERPO: VER TABLA
 MANGA: COBRE POR ASTM B152
 AISLAMIENTO: POLIAMIDA 6/6 (NYLON) POR ASTM D4066

2. FINISH:
 BODY: TIN PLATE 0.002 [.000079]
 MIN EXT THICK PER ASTM B545
 SLEEVE: NONE
 INSULATION COLOR: BLUE

TERMINAR:
 CUERPO: HOJA DE HOJALATA 0.002 [.000079]
 ESPESOR MÍNIMO EXT. POR ASTM B545
 MANGA: NINGUNA
 COLOR DE AISLAMIENTO: AZUL

3. WIRE RANGE: 1.000 [.039] - 2.000 [.079] mm² [17-14 AWG]
 GAMA DE ALAMBRE: 1.000 [.039] - 2.000 [.079] mm² [17-14 AWG]

4. DIMENSION APPLIES TO ZONE C FOR A DISTANCE OF 8.620 - 8.750 [.339 - .344]



勝特力電材超市-龍山店 886-3-5773766
 勝特力電材超市-光復店 886-3-5729570
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
<http://www.100y.com.tw>

LOOSE PIECE PIEZA SUELTA	100	BRASS PER ASTM B36 LATÓN POR ASTM B36	735159
PACKAGE TYPE TIPO DE PAQUETE	QTY CANTIDAD	BODY MATL. CUERPO MATL.	PART NUMBER NÚMERO DE PIEZA

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN RAVI S 15NOV2019	STE TE Connectivity	
DIMENSIONS: mm [INCHES]		CHK DANIEL ROHDE 15NOV2019		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD DANIEL ROHDE 15NOV2019	NAME FULLY INSULATED FASTON RCPT 6.35 MM (BLUE) RECEPTÁCULO FASTON 6.35 MM AISLADO (AZUL)	
0 PLC ± - 1 PLC ± - 2 PLC ± - 3 PLC ± 0.500 [.019] 4 PLC ± - ANGLES ± -		PRODUCT SPEC -	APPLICATION SPEC -	
MATERIAL SEE TABLE		FINISH 2	SIZE A3	CAGE CODE 00779
		WEIGHT -	DRAWING NO C-735159	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 5:1	SHEET 1 OF 1
			REV F3	

PIDG* and PLASTI-GRIP* FASTON* Terminal

1. SCOPE**1.1. Content**

This specification covers the performance requirements for the PIDG* and PLASTI-GRIP* FASTON* terminals. FASTON terminal is a receptacle of various sizes which offer a wide range of use in the appliance and automotive industries. Sizes are designated numerically to correspond to the width of the mating tab and include 250, 205, 187, and 110 series.

1.2. Qualification

When tests are performed on the subject product line, the procedures specified in AMP 109 series specifications 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. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

2.1. AMP Specifications

- A. 109-1: General Requirements
- B. 109 Series: Test Specifications as indicated in Figure 1.
(Comply with MIL-STD-202, MIL-STD-1344 and EIA RS-364)
- C. 114-1002: Terminal, FASTON, PIDG, Application of
- D. 114-1003: Terminal, FASTON, PLASTI-GRIP, Application of

2.2. Commercial Standard

UL 486: Standard, Wire Connectors and Soldering Lugs

3. REQUIREMENTS**3.1. Design and Construction**

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

3.2. Materials

- A. Receptacle: Brass or phosphor bronze, pre tin
- B. Sleeve, plastic: PVC or nylon
- C. Sleeve, metallic: Copper (PIDG FASTON only)

3.3. Performance and Test Description

Terminals shall be designed to meet the electrical, mechanical and environmental performance requirements specified in Figure 1.

3.4. Test Requirements and Procedures Summary

Test Description	Requirement	Procedure																
Examination of Product	Meets requirements of product drawing and AMP Spec 114-1002 and 114-1003.	Visual, dimensional and functional per applicable inspection plan.																
ELECTRICAL																		
Dielectric Withstanding Voltage	No breakdown or flash-over when 2.2 kvac is applied for 1 minute	Test properly wired and insulated terminal in number 12 lead shot; UL 486, Para 9.6.																
MECHANICAL																		
Crimp Tensile	Wire shall not become separated from terminal when tested as specified	Subject terminal to one minute, direct pull, at force specified; UL 486 Para 8. <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Wire Size, AWG</th> <th style="text-align: center;">Force, pounds</th> </tr> </thead> <tbody> <tr><td style="text-align: center;">22</td><td style="text-align: center;">10</td></tr> <tr><td style="text-align: center;">20</td><td style="text-align: center;">16</td></tr> <tr><td style="text-align: center;">18</td><td style="text-align: center;">20</td></tr> <tr><td style="text-align: center;">16</td><td style="text-align: center;">30</td></tr> <tr><td style="text-align: center;">14</td><td style="text-align: center;">60</td></tr> <tr><td style="text-align: center;">12</td><td style="text-align: center;">70</td></tr> <tr><td style="text-align: center;">10</td><td style="text-align: center;">80</td></tr> </tbody> </table>	Wire Size, AWG	Force, pounds	22	10	20	16	18	20	16	30	14	60	12	70	10	80
Wire Size, AWG	Force, pounds																	
22	10																	
20	16																	
18	20																	
16	30																	
14	60																	
12	70																	
10	80																	

Figure 1

3.5. Connector Tests and Sequences

Test or Examination	Test Group (a)	
	1	2
	Test Sequence (b)	
Examination of Product	1	
Dielectric Withstanding Voltage		1
Crimp Tensile		2

- (a) See Para 4.1.A.
- (b) Numbers indicate sequence in which tests are performed.

Figure 2

4. QUALITY ASSURANCE PROVISIONS

4.1. Qualification Testing

A. Sample Selection

Terminals shall be prepared in accordance with applicable Instruction Sheets. They shall be selected at random from current production. Test group 1 shall consist of 1 terminal of each size, representative of the entire lot being tested. Test group 2 shall consist of 15 terminals for each wire size, terminal size and terminal type. All terminals shall be crimped to appropriate PN 103501 and 103502 tin plated test conductors in accordance with AMP Specification 114-1002 and 114-1003.

B. Test Sequence

Qualification inspection shall be verified by testing samples as specified in Figure 2.

C. Acceptance

- (1) Requirements put on test samples, as indicated in the requirements portion of Figure 1, exist as either the upper or lower statistical tolerance limit (95% confidence, 99% reliability). All samples tested in accordance with this specification shall meet the stated tolerance limit.
- (2) Failures attributed to equipment, test setup, or operator deficiencies shall not disqualify the product. When product failure occurs, corrective action shall be taken and samples resubmitted for qualification

4.2. Quality Conformance Inspection

The applicable AMP inspection plan will specify the sampling acceptable quality level to be used. Dimensional and functional requirements shall be in accordance with the applicable product drawing and this specification.