



#### PRODUCT DESCRIPTION

Aircraftplugs® 400 HZ – 115 V connector according to ISO 461n MS25486, external power female plug for aircrafts and helicopters.

#### TECHNICAL PROPERTIES

- Housing: rubber made by [www.aircraftplugs.com](http://www.aircraftplugs.com).
- Hardness shore A : 90
- Coefficient of thermal expansion, 160 9m/m·K
- No special tools required for assembly.
- Contact: made with Sulfur Copper Rod HD147 – Silver plated.
- 160 9m/m·K Contact: made with Sulfur Copper Rod HD147
- Maximum current capacity for contacts: 90 KVA.
- Average change in Resistance after 100 dry cycles: < 2i
- Continuous duty contact temperature rise:
  - 15°C 94A - 30°C 133A - 50°C 172A
- Short duration contact temperature rise: Duration of 1.0 minutes 15°C 300A
  - 30°C 420A - 50°C 545A
- Dielectric Voltage Withstand Test: > 1 min. duration Contacts to case: > 2.0 kV
- After 10 cycles. Contact to Contact > 1.5 kV
- MAXIMUM CURRENT RATING:
  - For <10s 1600A Based on the resistance this would give less than a .1V drop per contact.
  - For <1min 950A Based on the Temperature this would give less than 75°C rise on the contacts.
  - Continuous 240A Based on the Temperature this would give less than 75°C rise on the contacts.
- Documentation : Technical manual | Certificate of conformit
- Maximum cable size 120 mm<sup>2</sup> AWG 4/0
- Made in Belgium.

Version 1.3 / Pictures and data are non-binding and can be changed by the manufacturer without notice

#### **Aircraftplugs®**

Kruisboommolenstraat 7/9 - Industrialzone strohof- 8800 Roeselare - Belgium

☎ +32-51.77.99.19 - FAX : +32-51.79.02.53

E-mail : [info@aircraftplugs.com](mailto:info@aircraftplugs.com)

[www.aircraftplugs.com](http://www.aircraftplugs.com)