



RADIAL®
Fibre Optic Components

TECHNICAL DATA SHEET

F 715 100 000

Title **STANDARD MULTIMODE PLUG for a coated fiber**
DIA 900 μm alone or with a tigh cable

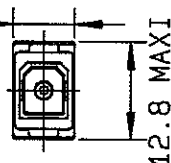
Series
EC

Issue:
01 21 98

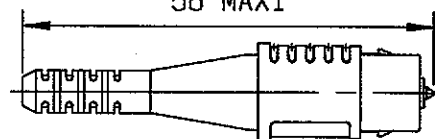
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Dimensions : mm

7.68 MAXI

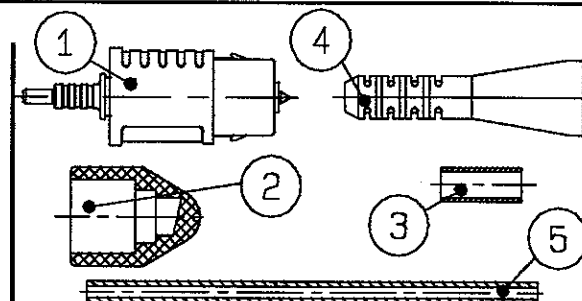


56 MAXI



CONTENTS

- 1- Plug housing (beige colour)
+optical ferrule DIA 128 μm $\frac{2}{0}$ mm
- 2- Protective cap
- 3- Ferrule
- 4- Boot
- 5- Tube



GENERAL

- TYPE: -European Norm: EN 186 210 type CF08
- WIRING: -Keyed push pull latching system with sphere/cone alignment
 - For a coated fiber DIA 250 μm -----see F 715 PC 02
 - For a coated fiber DIA 900 μm -----see F 715 PC 03
 - For a tigh cable 2.2 DIA to 3.2 DIA mm with aramid strength members and a coated fiber DIA 900 μm -----see F 715 PC 05
 - For a loose cable 2.2 DIA to 3.2 DIA mm with aramid strength a tube 0.6x1 DIA and a coated fiber 250 DIA μm -see F 715 PC 09
- FIBER: -Multimode dia 62.5/125 μm $\pm 2 \mu\text{m}$. ON = 0.2 at 850 nm.
- CLEANING: -See "Current service" procedure included in the maintenance Kit F 780 531 000
- INSTALLATION: -Polishings after bonding

CHARACTERISTICS

(Depending on fibre or cable construction)

- OPTICAL: -Insertion loss at 850 nm (attenuation plug mated with reference plug IEC 874-1 § 4.4.7 method 7):
mean < 0.15 dB; standard deviation < 0.09 dB
- Insertion loss at 850 nm (attenuation of random mated connectors IEC 1300-3-34):
mean < 0.30 dB; standard deviation < 0.12 dB
- MECANICAL: -Return loss of a complete connection > 50 dB
 - Mechanical endurance = 1000 mating cycles
 - Fiber pulling = 5 N
 - Cable pulling = 100 N(Aramid strength members)
 - Vibration = 10/500 Hz - 10 g max
 - Shock = 100 g/10 ms
 - Drop = 8 falls/1.5 meter/concrete
- CLIMATIC: -Service temperature = -25 / +70 ° C
- Storage temperature limit = -40 / +85 ° C
- Salt mist = 96 hours
- Dust = EN 186 000 § 4.5.27

CREATION

N° : NONE
Name : BOUYER
Date : 07 22 91
Verif.: E.G.d'A

01 21 98	Beige colour - Modif. 98015	E.G.d'A		
06 13 98	drawing done again - modif. 94 095	E.G.d'A	-	
Issue	Revisions	Name	Approved	