



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

Similar to BT 43 (BS 9210 F0022)

**Documents**

Assembly instruction 759 B  
Panel piercing B 66

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Dielectric  
Crimping ferrule

**Material**

Brass  
Brass  
Brass  
PTFE  
Copper

**Plating**

Gold, min. 1.27 µm, over nickel  
Gold, min. 0.8 µm, over nickel  
Gold, min. 0.8 µm, over nickel  
Nickel, 2.5-5 µm

SMB (75Ω) BULKHEAD PLUG  
(BT 43)

**759S603-1V6E3**

**Electrical data**

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 22 dB, DC to 2 GHz ≥ 20 dB, 2 to 4 GHz
Insertion loss	≤ 0.05 × √f(GHz) dB
Insulation resistance	≥ 2x10 <sup>3</sup> MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Contact current	1 A DC max.
Test voltage	750 V rms
Working voltage	200 V rms
RF-leakage	≥ 70 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 500
Center contact captivation	≥ 10 N
Engaging and disengaging force	8 to 63 N

**Environmental data**

Temperature range	-40°C to +100°C
Climatic class	IEC 60068-2-1 40/100/21 IEC 60068-2-2 IEC 60068-2-3

**Tooling**

Crimping tool	11W150-000
Crimp insert	11W155-504

**Suitable cables**

TZC 75025, TZC 75024, BT 3002

**Packing**

Standard	100 pcs in bag
Weight	7.6 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	21/09/04	Rong Fang	17/11/05	b00	05-0567	Inge Mühlauer	17/11/05
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>						Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>	
							Page 2 / 2