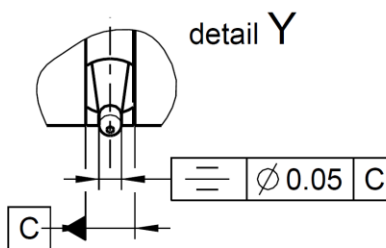
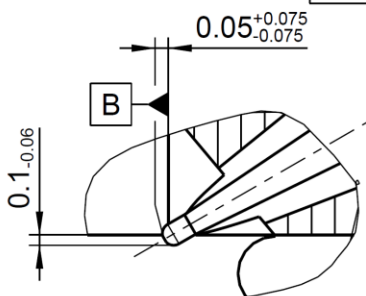
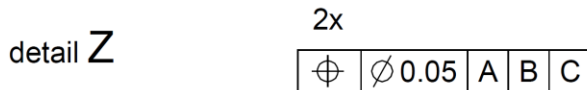
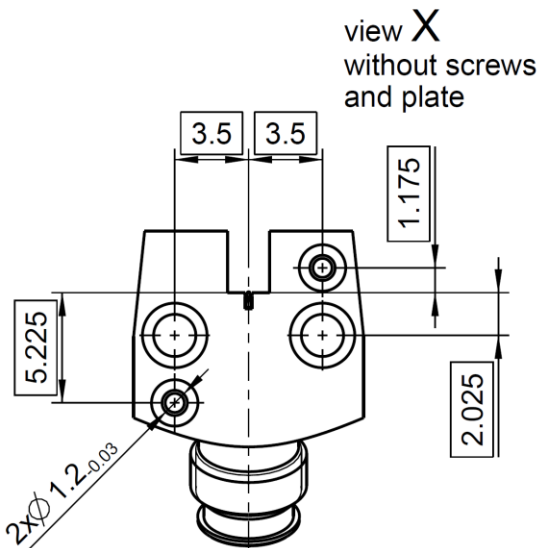
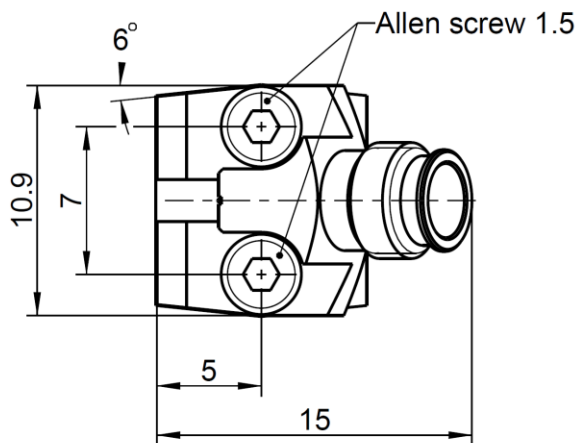
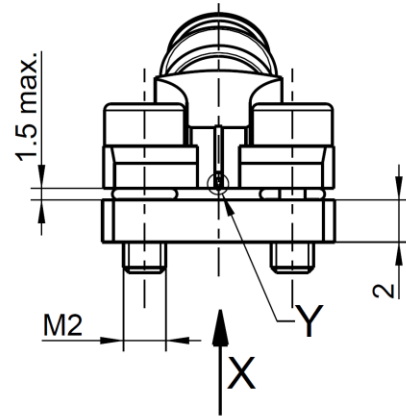
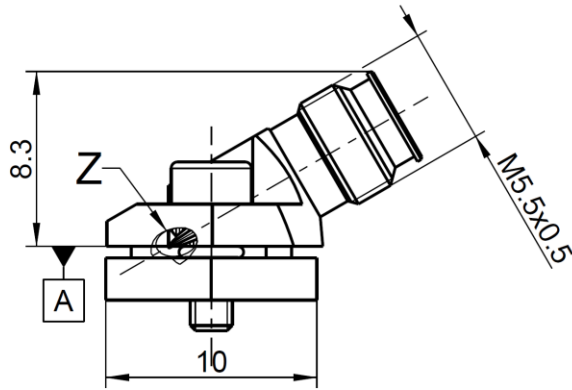


Remove transport lock before use.



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

Interface

According to IEC 61169-65 (in progress)

Documents

PCB layout MB 389
 Handling Instruction HI_016

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RF_35/05.10/6.0

Material and plating

Connector parts

Center contact
 Outer contact PCB side
 Outer contact RPC-1.35 side
 Dielectric

Material

CuBe
 CuBe or equiv.
 CuBe or equiv.
 PEEK

Plating

AuroDur®, gold plated
 AuroDur®, gold plated
 AuroDur®, gold plated

Electrical data

Impedance 50 Ω
 Frequency DC to 90 GHz
 Return loss ≥ 21 dB, DC to 26.5 GHz
 ≥ 17 dB, 26.5 GHz to 40 GHz
 ≥ 14 dB, 40 GHz to 60 GHz
 ≥ 12 dB, 60 GHz to 90 GHz
 Insertion loss ≤ 0.05 x √f(GHz) dB
 Insulation resistance ≥ 5 GΩ
 Test voltage 500 V rms
 Working voltage 150 V rms

- Return loss in application depends decisive on PCB layout -

Mechanical data

Mating cycles PCB side ≥ 300
 Mating cycles RPC-1.35 side ≥ 3000
 Center contact captivation ≥ 10 N
 Coupling test torque RPC-1.35 1.65 Nm
 Recommended torque RPC-1.35 0.90 Nm
 Recommended torque Allen screw 1.5 0.20 Nm to 0.30 Nm
 PCB thickness max.¹ 1.5 mm typical; dimension expandable with longer screws

Environmental data

Temperature range -40°C to +85°C
 Corrosion IEC 61169-1, Subclause 9.4.6
 Vibration IEC 61169-1, Subclause 9.3.3
 Shock IEC 61169-1, Subclause 9.3.14
 Max. soldering temperature N/A (connector is only screwed on, not soldered)
 RoHS compliant

Tooling

Allen wrench 1.5 mm

Weight

3.2 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
Martin Moder	25.08.17	Herbert Babinger	12.03.19

Rev.	Engineering change number	Name	Date
600	19-1464	S. Schmid	02.08.19