



*Position of the contact when mounting into the housing  
acc. to 23 MV - A002*

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

**Documents**

Instruction for Removal of the Contacts 23 MV-A002

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric  
Substrate

**Material**

CuBe  
CuBe  
PTFE  
Al<sub>2</sub>O<sub>3</sub>

**Plating**

Gold, min. 0.8 µm, over nickel  
Gold, min. 0.8 µm, over nickel

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# Technical Data Sheet

# Rosenberger

Mini-Coax

Termination  
Jack

## 23K15A-010E4

### Electrical data

|                           |  |
|---------------------------|--|
| Impedance                 | 50 $\Omega$  |
| Frequency range           | DC to 10 GHz   |
| Return loss               | $\geq 26$ dB, DC to 4 GHz<br>$\geq 18$ dB, 4 GHz to 10 GHz |
| Center contact resistance | $\leq 10$ m $\Omega$                                       |
| Outer contact resistance  | $\leq 3$ m $\Omega$  |
| Power handling            | 0.25 W at 25 °C  |

### Mechanical data

|                                |            |
|--------------------------------|------------|
| Mating cycles                  | $\geq 500$ |
| Engaging and disengaging force | 1 N to 4 N |

### Environmental data

|                   |   |
|-------------------|---|
| Temperature range | -40°C to +85°C  |
| Climatic class    | IEC 60068-2-1 40/85/21<br>IEC 60068-2-2<br>IEC 60068-2-3    |
| Mechanical shock  | IEC 60068-2-27 50G halvesinus, 2 shocks/axis during 11 sec. |
| RoHS              | compliant   |

### Tooling

|                                   |            |
|-----------------------------------|------------|
| Extraction tool for Metral insert | 11W108-K00 |
|-----------------------------------|------------|

### Packing

|        |            |
|--------|------------|
| Weight | 0.24 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          |
|--|----------|------------------|----------|---|---------------------------|------------------|---------------|
| Marcel Panicke   | 26.11.08 | Markus Hantschel | 28.09.20 | d00   | 20-1885                   | Marion Striegler | 29.09.20      |
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