

# METAL-CERAMIC CONNECTIONS

## Vacuum Feedthroughs

### PROPERTIES

- ◆ High grade materials allow repeated bakings up to 400°C



### SELECTION DATA

Voltage <sup>1)</sup>	3 kV	2 kV	5 kV	10 kV
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### ORDERING INFORMATION

Part No.	214-161	214-162	214-163	214-164
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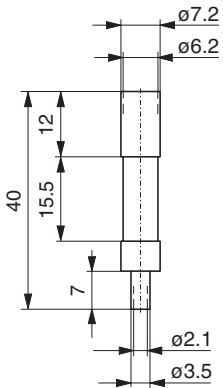
### SPECIFICATIONS

Insulator		Al <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>
Connection		Fe-Ni	Fe-Ni	Fe-Ni	Fe-Ni
a		Fe-Ni	stainless steel	stainless steel	stainless steel
b		Fe-Ni	304/1.4301	304/1.4301	304/1.4301
Bakeout temperature	°C	400	400	400	400
Tightness	mbar l/s	5 x 10 <sup>-11</sup>	5 x 10 <sup>-11</sup>	5 x 10 <sup>-11</sup>	5 x 10 <sup>-11</sup>
Weight	g	5	12	25	90

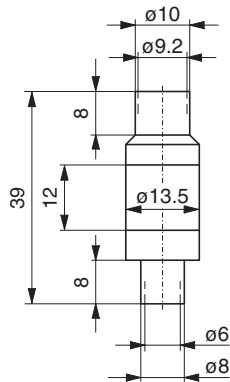
<sup>1)</sup> Based on VDE 0110 for air and surface-leakage in atmosphere on both sides.  
Higher values up to factor two are admissible in pressures <10<sup>-4</sup> mbar.

## DIMENSIONS

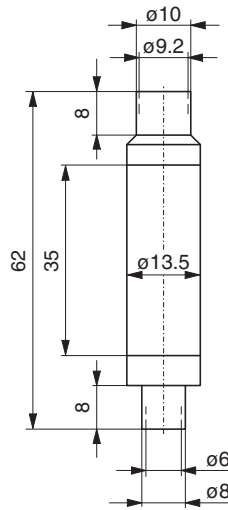
214-161



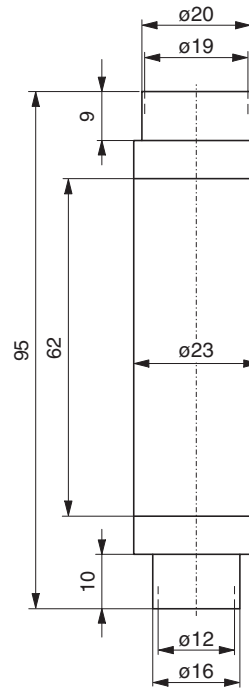
214-162



214-163



214-164



[mm]



**GLOBAL HEADQUARTERS:**

Two Technology Place, East Syracuse, NY 13057 USA  
 Tel: +1.315.434.1100 Fax: +1.315.437.3803 E-mail: reachus@inficon.com

UNITED STATES FRANCE GERMANY LIECHTENSTEIN SWITZERLAND UNITED KINGDOM CHINA JAPAN KOREA SINGAPORE TAIWAN

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