

# Coaxial Feedthroughs BNC MHV

INFICON offers for special demand our BNC/MHV coaxial feedthroughs, based on MIL-C-39012A, is available in ISO-KF and CF-F flanges and in 5 different specification ranges.



## BENEFITS

- Based on MIL-C-39012A
- Voltage up to 5 kV DC
- With atmospheric connector
- 2011/65/EU RoHS compliant

## ORDER INFORMATION

Type	DN 16 ISO-KF BNC	DN 16 ISO-KF MHV	DN 16 CF-F BNC	DN 16 CF-F MHV	DN 40 CF-F MHV (3 Feedthroughs)
Coaxial feedthrough BNC	214-151		214-155		
Coaxial feedthrough MHV		214-152		214-156	214-157

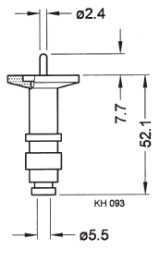
## SPECIFICATIONS

Type		DN 16 ISO-KF BNC	DN 16 ISO-KF MHV	DN 16 CF-F BNC	DN 16 CF-F MHV	DN 40 CF-F MHV (3 Feedthroughs)
Vacuum connection		DN 16 ISO-KF	DN 16 ISO-KF	DN 16 CF-F	DN 16 CF-F	DN 40 CF-F
Number of feedthroughs		1	1	1	1	3
Voltage						
AC, 50 Hz	kV	0.35	3.5	0.35	3.5	3.5
DC	kV	0.5	5	0.5	5	5
Current	A	3	3	3	3	3
Frequency	MHz	150	-	150	-	-
Impedance	$\Omega$	50-60	-	50-60	-	-
Insulation resistance at 20°C	$\Omega$	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>10</sup>	10 <sup>10</sup>
Tightness	mbar•L/s	1 x 10 <sup>-9</sup>	1 x 10 <sup>-9</sup>	1 x 10 <sup>-10</sup>	1 x 10 <sup>-10</sup>	1 x 10 <sup>-10</sup>
Pressure (absolute) (1)		1 x 10 <sup>-8</sup> ... 2.5	1 x 10 <sup>-8</sup> ... 2.5	1 x 10 <sup>-10</sup> ... 10	1 x 10 <sup>-10</sup> ... 10	1 x 10 <sup>-10</sup> ... 10
Housing, flange, conductor		stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Feedthrough, seal		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>	Al <sub>2</sub> O <sub>3</sub>
Bakeout temperature						
With connector	°C	50	50	50	50	50
Without connector	°C	200	200	400	400	400
Standart connection						
Atmospheric connector		UG 88/U	UG 932/U	UG 88/U	UG 932/U	UG 932/U
Cable		RG 58/U	RG 59/U	RB 58/U	RG 59/U	RG 59/U
Weight	kg	0.1	0.1	0.14	0.14	0.5

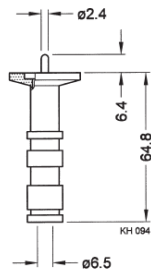
(1) Pressure max. at 400 °C: 2 bar

## DIMENSIONS

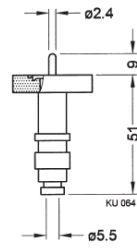
214-151



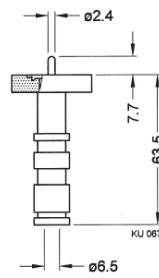
214-152



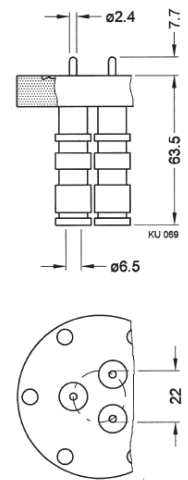
214-155



214-156



214-157



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