

Electrical Feedthroughs DN40 ISO-KF

INFICON offers economical priced ISO-KF flange feedthroughs which can be found in all standard vacuum applications all over the world for many years. In addition to this feedthroughs a choice of connectors for vacuum and atmosphere side of vacuum chamber is configured.

For UHV applications CF flanged feedthroughs are available in different sizes and technical specifications.



BENEFITS

- 2011/65/EU RoHS compliant

ORDER INFORMATION

Type	7 Feedthroughs with ATM Connector	7 Feedthroughs with ATM & Vacuum Connector	4 Feedthroughs with ATM & Vacuum Connector	1 Feedthroughs with ATM Connector
Feedthrough, 1 pole				214-131
Feedthrough, 4 poles			214-123	
Feedthrough, 7 poles	214-121	214-122		
Inner plug connector, 4p			214-194	
Inner plug connector, 7 p		214-193		
Outer plug connector, 1 p				214-180
Outer plug connector, 4p			214-175	
Outer plug connector, 7 p	214-174	214-174		

SPECIFICATIONS

Type		7 Feedthroughs with ATM Connector	7 Feedthroughs with ATM & Vacuum Connector	4 Feedthroughs with ATM & Vacuum Connector	1 Feedthroughs with ATM Connector
Vacuum connection		DN 40 ISO-KF	DN 40 ISO-KF	DN 40 ISO-KF	DN 40 ISO-KF
Number of feedthroughs		7	7	4	1
Voltage per pole	V	380	380	800	6000
Current per pole	A	16	16	16	25
Connection					
Vacuum side		solder connection	connector	connector	bolted connection
Atmospheric side		connector	connector	connector	connector
Diameter of connecting wire	mm	1.8	1.8	2.5	5
Test voltage	kV/Hz	–	–	–	15/50
Pressure (absolute)		1 x 10 ⁻⁸ mbar ... 2.5bar	1 x 10 ⁻⁸ mbar ... 2.5bar	1 x 10 ⁻⁸ mbar ... 2.5bar	1 x 10 ⁻⁸ mbar ... 2.5bar
Bakeout temperature (feedthrough and connector)	°C	130	130	130	130
Housing		stainless steel 303/1.4305	stainless steel 303/1.4305	stainless steel 303/1.4305	stainless steel 303/1.4305
Insulator		PTFE/Araldite	PTFE/Araldite	PTFE/Araldite	PTFE/Araldite
Seal		FPM	FPM	FPM	FPM
Contact (feedthrough and connector)		gold-plated bronze	gold-plated bronze	gold-plated bronze	nickel-plated brass

DIMENSIONS

	<p>214-193</p> <p>Connector: vacuum side</p>	<p>214-194</p> <p>Connector: vacuum side</p>	
<p>214-121</p> <p>Feedthrough</p>	<p>214-122</p> <p>Feedthrough</p>	<p>214-123</p> <p>Feedthrough</p>	<p>214-131</p> <p>Feedthrough</p>
<p>214-174</p> <p>Connector: air side</p>	<p>214-174</p> <p>Connector: air side</p>	<p>214-175</p> <p>Connector: air side</p>	<p>214-180</p> <p>Connector: air side</p>



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