



Probing Solutions.
Made in Germany.



Test Point to 4mm Adapters

for PMK's
High-Voltage Differential Probe Series

Datasheet



About Test Point to 4mm Adapters for PMK’s HV Differential Probes

The test point to 4mm adapters allow the direct connection of BumbleBee® and HORNET® series high-voltage differential probes to test points with square pins or MMCX, SMA or BNC connector. The specified BumbleBee® and HORNET® series probe bandwidth remains valid. These probe adapters are not for handheld use.

Safety and Handling Information

PMK’s 4mm adaptors are for use in a controlled and safety environment in accordance with IEC 61010-1 only. The adapters are intended for indoor use only. The adaptors are **NOT FOR HANDHELD USE**. The PMK probe’s bandwidth specification stays valid. This product is not rated for CAT II, III or IV. Do not exceed the specifications.



Use only grounded instruments.
Make sure the adapters and the measurement instrument are grounded properly.

Specifications

Rating for Handheld Use

Order number	Maximum handheld Input Voltage	Input Connector
4mm-MMCX-M	60 V DC or 42 V AC-PEAK	MMCX (male)
4mm-MMCX-F	60 V DC or 42 V AC-PEAK	MMCX (female)
4mm-SMA-M	60 V DC or 42 V AC-PEAK	SMA (male)
4mm-SMA-F	60 V DC or 42 V AC-PEAK	SMA (female)
4mm-BNC-F	60 V DC or 42 V AC-PEAK	BNC (female)
4mm-BNC-M	60 V DC or 42 V AC-PEAK	BNC (male)
4mm-WSQ-5.08 ¹	60 V DC or 42 V AC-PEAK	5.08mm pitch holes, (-) (+) (-)

Maximum non-destructive Input Voltage

Order number	Maximum non-destructive Input Voltage	Input Connector
4mm-MMCX-M	250 V DC + AC pk, 500V pulse	MMCX (male)
4mm-MMCX-F	250V DC + AC pk, 500V pulse	MMCX (female)
4mm-SMA-M	500V DC + AC pk, 1000V pulse	SMA (male)
4mm-SMA-F	500V DC + AC pk, 1000V pulse	SMA (female)
4mm-BNC-F	750V DC + AC pk, 1500V pulse	BNC (female)
4mm-BNC-M	750V DC + AC pk, 1500V pulse	BNC (male)
4mm-WSQ-5.08 ¹	750V DC + AC pk, 1500V pulse	5.08mm pitch holes, (-) (+) (-)

Pollution Degree: 1

Output connectors: 4mm safety banana (female)

Note:

¹ Observe layout requirements.
Connect both (-) inputs for best performance.

Environmental Specifications

Parameter		Specification
Temperature Range	Operating	0 °C to +50 °C
	Non-Operating	-40 °C to +65 °C
Maximum Relative Humidity	Operating	80 % relative humidity for temperatures up to +31 °C, decreasing linearly to 40 % at +50 °C
	Non-Operating	95 % relative humidity for temperatures up to +40 °C
Altitude	Operating	up to 2000 m
	Non-Operating	up to 15000 m

4mm-WSQ-5.08: Layout requirements



Electrical Specifications are only valid if the pitch between solder pads is >2.5mm, and solder pads have a round shape.

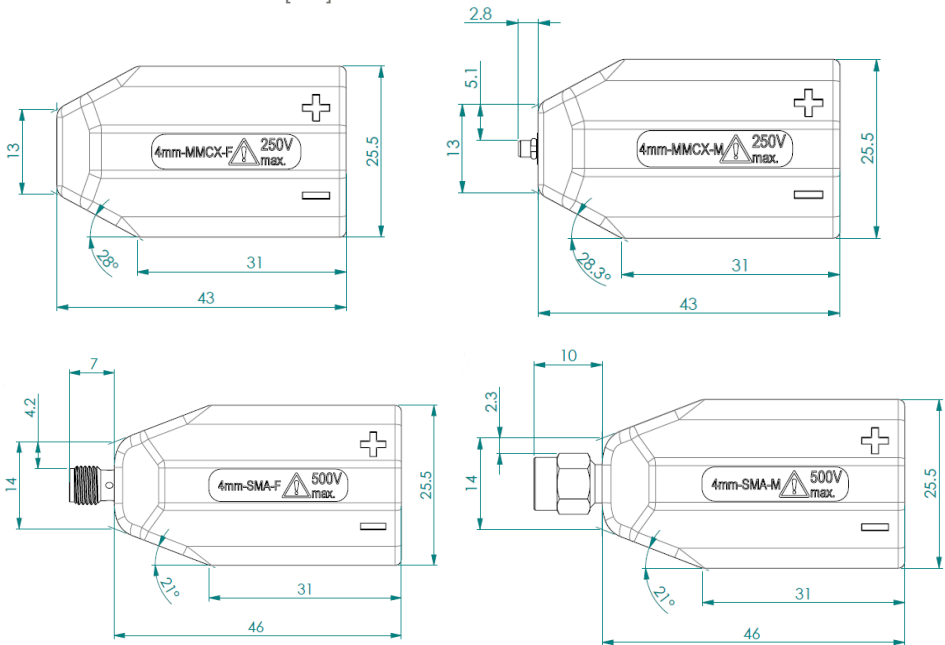
4mm-MMCX models

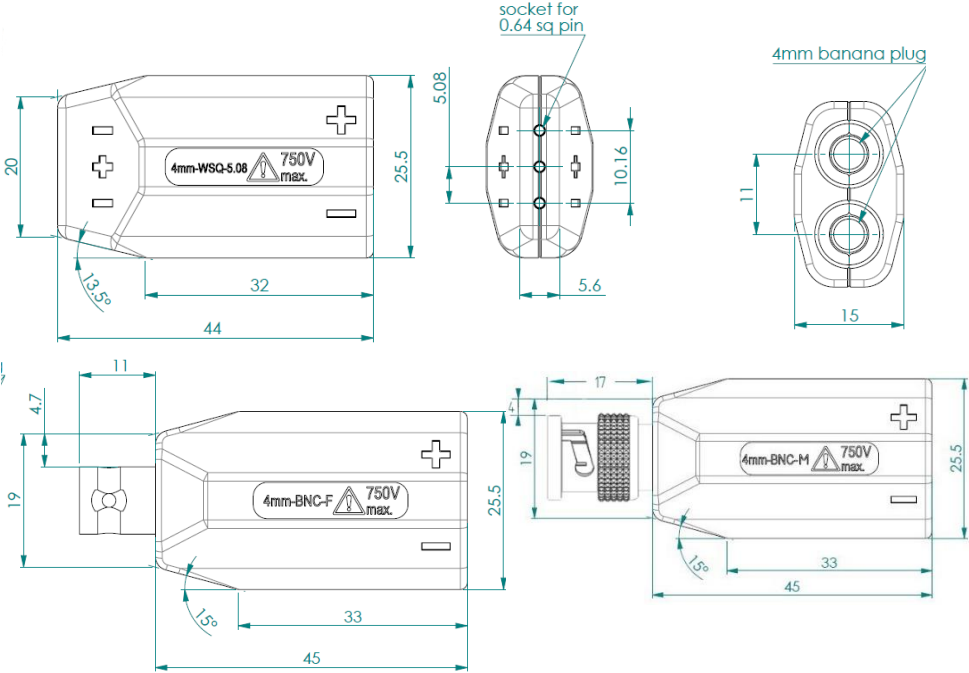


Observe max. disengagement force <8N

Dimensions

The dimensions are shown in [mm].





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Änderungen der Spezifikationen vorbehalten.