

VF100

PRODUCT INFORMATION

Screw-in Test Probes

Grid:
 ≥ 2.54 mm
 ≥ 100 Mil
Installation height with KS: 40.5 mm

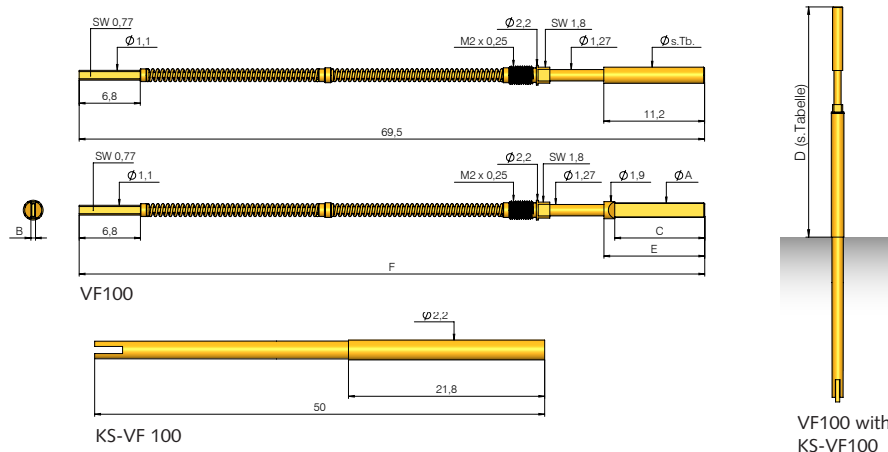
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Push-back test for plug connectors in 100 Mil grid

Features

- Push-back probes VF100 are used to test cable harnesses
- Non-rotating design, especially suited to spade tip styles
- Various spring force available

Mounting and functional dimensions



Function / Assembly

- The probes are mounted in and connected with the KS-VF100 receptacle

Available tip styles

Material	Tip style	Plating	Further versions	
			Ø	Ø (inch)
2 02		A	1,80	A
2 03		A	2,20	A
2 20		A		

Part. No.	A Tip-Ø mm (inch)	B Width of spade in mm (inch)	C Length of spade in mm (inch)	D Installation height with KS in mm (inch)	E Tip height in mm (inch)	F Total length mm (inch)	Recommended tools
VF100-220 160 050 A xx	1.6	0.5	10	40.5	11.2	69.5	BIT-VF100 M-B
VF100-220 190 036 A xx	1.9	0.36	10	40.5	11.2	69.5	BIT-VF100 M-B
VF100-220 190 050 A xx	1.9	0.5	10	40.5	11.2	69.5	BIT-VF100 M-B
VF100-220 190 080 A xx	1.9	0.8	10	40.5	11.2	69.5	BIT-VF100 M-B
VF100-220 250 080 A xx	2.5	0.8	10	40.5	11.2	69.5	BIT-VF100 M

Mechanical data

Working stroke: 5.0 mm
Maximum stroke: 5.5 mm
Spring force at working stroke: 10.0 N
Alternative: 15.0 N

Materials

Plunger: Steel, gold-plated
Spring: Spring steel, gold-plated
Receptacle: Brass, gold-plated

Mounting and Tools

Recommended screw-in torque: min. 3 cNm
 max. 5 cNm
Tool: BIT-VF100 M
 BIT-VF100 M-B
Width across flats: 1.8 mm
Thread: M2x0,25

Electrical data

Current rating: 5 A
Ri typical: ≤ 30 mΩ

Mounting hole size

With collar or press-ring as a collar-stop
in CEM1 and FR4: Ø 1.99 - 2.00 mm

Operating temperature

Standard: -40° up to +80° C

Note:

The face of the plunger tip is aligned with the face of the end of the plunger.

Ordering example

Series	Tip material 2 = Steel	Tip style	Tip diameter (A) (1/100 mm)	Width of spade (B) (1/100 mm)	Plating A = Gold	Spring force (N)
Test probe with tip style 202:	V F 1 0 0	2	0 2	1 8 0	A	1 0 0
Test probe with tip style 220:	V F 1 0 0	2	2 0	1 9 0	A	1 5 0
Receptacle:	K S - V F 1 0 0					