

PS175

4 A | 75 mil | Threaded



Electrical specifications

Temperature [°C]	-45°...+100°
Current Probe [A]	4
Current Sensor [A]	1
R TYP [mOhm]	<20

Mechanical specifications

Preload [cN]	50
Spring force [cN] at nt ±20%	100
Nominal travel [mm]	4.3
Maximum travel [mm]	6.4

Materials and plating

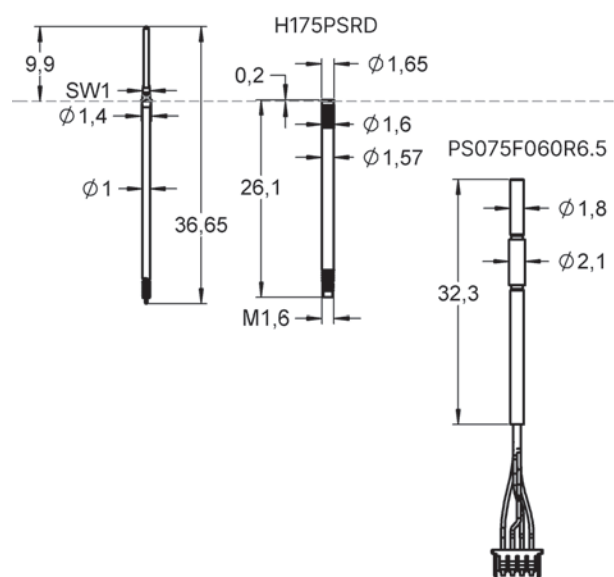
Plunger	BeCu	gold plated
Barrel	Brass	gold plated
Spring	Spring steel	silver plated
Receptacle	Brass	unplated

Accessories

1024149	PS075F060R6.5	Sensor
1025376	2112221	250mm extension cable for Molex connector
1035257	FWZPS075T	Screw-in tool sensor
1024148	H175PSRD	Receptacle
1014311	FEWZ-075E0	Insertion tool receptacle
1029809	FWZ730S1T	Screw-in tool probe

Series drawing

All measurements are in mm.



Drill size recommendation (mm)

1024148	H175PSRD	1.59 - 1.60
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The Position Sensor System consists of a special spring contact probe PS175..., a receptacle H175PSRD and a sensor element PS075.... These three elements are mounted into a fixture plate. The Position Sensor is screwed at the receptacle from backwards after the receptacle is mounted.

* The values for current and resistance are only valid for a soldered connection at the receptacle. The blue wire of the Molex connector only allows a maximum current of 1,0 A and R typ 500 mOhm.

Order code	Product name	Tip Style	Tip Ø [mm]	Material/Plating	Force [cN]	Thread [M]	Version	FM Choice
1026924	PS17506B120G100	06	1.20	B / G	100	M1	-	-
1024150	PS17511B064G100	11	0.64	B / G	100	M1	-	-
1034926	PS17512B100G100	12	1.00	B / G	100	M1	-	-
1026925	PS17517B120G100	17	1.20	B / G	100	M1	-	-