

Series 51

Technical Data

Overall Length	34,10 mm
Minimum Centre Spacing	3,80 mm
Maximum Travel	5,00 mm
Working Travel	3,40 mm
Temperature Range from	-55°C
Up to	+120°C
Typical Resistance	5 mΩ
Current Load rated/max.	8,0 / 10,0 A

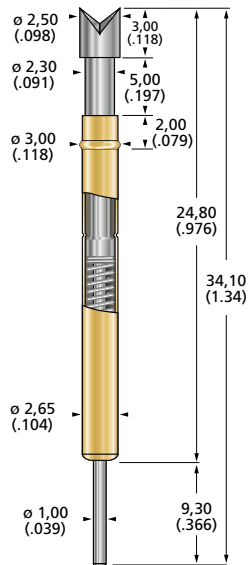
Materials

Plunger	CuBe or steel, gold plated
Barrel	Nickel silver or brass, gold plated
Spring	Music wire, silver plated

The special feature of this design is that the piston is brought out at the lower end (connection with 1 mm diameter). As a result the electrical current is passed directly over the piston and not, as in the classical case common to have a „parallel“ of compression spring and housing cover. The current carrying capacity is correspondingly higher and also the transition resistance behaves according to low and constant. The connection pin which protrudes from the housing bottom, is moved during compression of the contact. We recommend to use highly flexible cable for the connection wiring. On request we can supply matching connectors for this pin with pre-attached wire. For further questions, please contact our office.

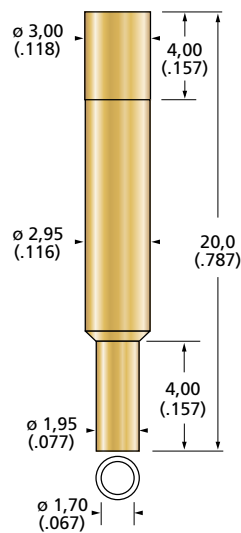
The socket S 51.00-C has in this series no electrical function but merely ensures easy installation and interchangeability. Since the terminal pin should be freely sticking out, only the Type S 51.00-C with open end can be used here.

Series 51



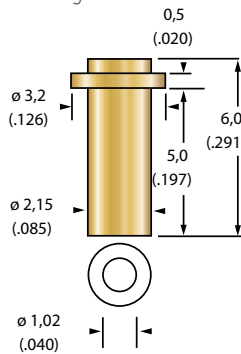
S 51.00-C

Open end for continuous plunger



FK-541

Plug-On-Terminal



Spring Force (xx)

Preload	Rated Force	Code
0,8 N	1,5 N	15
1,0 N	2,0 N	20
1,2 N	3,0 N	30
3,0 N	5,0 N	50



Ø 2,50 **51.103.25.xx**



Ø 2,50 **51.106.25.xx**



Ø 4,00 **51.106.40.xx**



Ø 2,50 **51.08.25.xx**



**For XXLonglife-Nanocoating
order as 51X**