

# Contact Probes Assemblies

Standard, Screw Mounting, Resin Sleeve, Spring Built-In, Thread Wire Connection

**Integrated Probe Assembly Features:** One-piece Contact Probe is constructed by one continuous pin from the tip to the end. Less contact points and good conductivity enable stable electrical continuity, regardless of the stroke length.

**Standard**

**GNP6  
GNP8  
GNP12**

Tip Shape Selection

Applicable Terminal P1879

The matching end also strokes according to the stroke of the contact component.

Part Number	d	d1	d2	d3	d4
GNP6	0.6	0.65	0.5	(0.45)	0.3
GNP8	0.8	0.8	0.6	(0.55)	0.4
GNP12	1.2	1.25	1.05	(0.95)	0.8

No.	Part	Material	Surface Treatment
①	Plunger	SK4	Gold Plating on Nickel Undercoat
②	Spring	SWP	Gold Plating
③	Sleeve	Brass*	Gold Plating on Nickel Undercoat
④	Collar	Brass	Nickel Plating

\*The material of GNP6 is Phosphor Bronze.

**• GNP6, GNP8, GNP12 Tip Shapes**

**A**

**B**

**C**

**G**

**H**

**Screw Mounting**

**FNP10  
FNP10N (with Nut)  
FNP10HDN (with Nut)**

**FNP13  
FNP13N (with Nut)  
FNP13HDN (with Nut)**

Tip Shape Selection

Applicable Terminal P1879

The matching end also strokes according to the stroke of the contact component.

No.	Part	Material	Surface Treatment
①	Plunger	SK4	Gold Plating on Nickel Undercoat
②	Spring	SWP	Gold Plating
③	Sleeve	SK4	Nickel Plating
④	Collar	Brass	Gold Plating on Nickel Undercoat

Part	Material	B	(e)	T
Nut (FNP10N)	SUS304 Equivalent	4	4.6	1.6
Nut (FNP13N)	SUS304 Equivalent	5	5.8	2

**• FNP10, FNP10N, FNP10HDN Tip Shapes**

**A15**

**D15**

**E15**

**A18**

**D18**

**E18**

**• FNP13, FNP13N, FNP13HDN Tip Shapes**

**A**

**D**

**E**

**Features:** Resin Sleeve Type has resin sleeves, and can be used to avoid electrical continuity of fixtures.

**Resin Sleeve**

**FNP22SF  
FNP22**

**FNP40SF  
FNP40**

Tip Shape Selection

Applicable Terminal P1879

\* For TH shape, this dimension is 34.0.

The matching end also strokes according to the stroke of the contact component.

No.	Part	Material	Surface Treatment
①	Plunger	SK4	Nickel Plating
②	Sleeve	Polyacetal	-
③	Spring	Stainless Steel	-

**• FNP22SF, FNP22 Tip Shapes**

**A**

**C**

**H (Quartered)**

**TH**

For Shape A, the material of head and shaft is brass and SK4 respectively.  
For Shape TH, the material of holder is BS and that of needle is SWRH.

**• FNP40SF and FNP40 Tip Shapes**

**A**

**C**

**H (Quartered)**

**TH**

For Shape A, the material of head and shaft is SK4 and SWRH respectively.  
For Tip Shape C, the material of plunger is SWRH.  
For Shape TH, the material of holder is BS and that of needle is SWRH.