

■ **Features:** Spring Built-In Type houses a spring, which causes no external interference and keeps out dust.

Spring Built-In

FNPS22

FNPS35

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

■ **FNPS22**

No.	Part	Material	Surface Treatment
①	Head	Brass	Electroless Nickel Plating
②	Plunger	SWRH	Nickel Plating
③	Bearing	Brass	Electroless Nickel Plating
④	Collar	SUS	-
⑤	Spring	SWP	Gold Plating
⑥	Sleeve	German Silver	Electroless Nickel Plating

■ **FNPS35**

No.	Part	Material	Surface Treatment
①	Head	Brass	Electroless Nickel Plating
②	Plunger	SK4	Electroless Nickel Plating
③	Bearing	Brass	Electroless Nickel Plating
④	Collar	Brass	Electroless Nickel Plating
⑤	Spring	SUS	-
⑥	Sleeve	Brass	Electroless Nickel Plating

Applicable Terminal P1879

• **FNPS22 Tip Shapes**

A

B

C

H

TH

• **FNPS35**

A

B

C

H

⚠ For Shape TH, the material of holder is BS and that of needle is SWRH.

■ **Features:** No soldering is required as round crimp terminals and round lead wires are tucked in the threads and secured with nuts.

Thread Wire Connection

MNP50

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

⚠ Accessory: Nut (2 pcs.)

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
⑤	Nut	SUS	-

⚠ Avoid tightening the nut exceeding the torque value of 0.98 N / m.

• **MNP50 Tip Shapes**

A

B

C

G

G8

J

Part Number	Mounting Pitch (min.)	Full Stroke	Spring Pressure		Allowable Current	Resistance	Replacement Cycle (Reference)	Mounting Hole (or Press-Fitting Dimension) (Reference)	Unit Price (1 - 69 pc (s))	Volume Discount Rate
			Initial	2/3 Stroke						
GNP6	0.8mm	3.4mm	26gf	80gf	0.5A	50mΩ	100,000 times	0.48-0.5mm		70-99 100-500
GNP8	1.0mm	3.4mm	23gf	80gf	1A		300,000 times	0.58-0.6mm		
GNP12	1.5mm	4.0mm	32gf	95gf	3A		1.03-1.05mm			
FNP10	3.0mm (6.0mm)	4.5mm	60gf	105gf	3A	80mΩ	300,000 times	M2×0.25		
FNP10HDN (with Nut)			56gf	175gf						
FNP13	5.0mm (7.0mm)	4.0mm	60gf	100gf	3A	80mΩ	300,000 times	M2.5×0.35		
FNP13N (with Nut)			58gf	175gf						
FNP13HDN (with Nut)			100gf	150gf						
FNP22SF	3.0mm	7.0mm	0gf	100gf	3A	80mΩ	300,000 times	1.98-2.00mm		
FNP22			150gf							
FNP40SF			220gf							
FNP40	5.0mm	17.0mm*	0gf	300gf	3A	80mΩ	300,000 times	3.48-3.50mm		
FNP25	3.0mm	8.0mm	51gf	180gf						
FNP35	4.0mm	8.0mm	66gf	200gf						
MNP50	7.0mm-9.0mm>	7.6mm	228gf	455gf	5A	35mΩ	300,000 times	4.18-4.2mm		

⚠ Mounting pitches in () are applicable to the contact probes with nut.

⚠ MNP50 mounting pitches in < > are applicable to G8 tip shape. * Tip shape A is 14.0mm, and TH is 9.5mm.

⚠ For orders larger than indicated quantity, please request a quotation.



Ordering Example

Part Number	Tip Shape
GNP12	G
FNP10N	E15
FNP13	A
MNP50	G8



Example

