

Switch Probes / Terminals for Probes / Heat-Shrink Tubes

Switch Probes

SNP30

* For Tip Shape GP8, tip length is 14.0.

Tip Shape Selection

No.	Part	Material	Surface Treatment
①	Plunger	Brass	Gold Plating on Nickel Undercoat
②	Barrel	Brass	Electroless Nickel Plating
③	Spring	SUS	-
④	Plunger	C1730B	Gold Plating on Nickel Undercoat
⑤	Sleeve	Polycetal	-
⑥	Spring	SWP	Gold Plating
⑦	Pipe	C2700B	Gold Plating on Nickel Undercoat

A Accessory: Set Ring
 * A stopper prevents the probe from falling out.
M Material: Brass
S Surface Treatment: Gold Plating on Nickel Underplating

Example

Set Ring
SNP30
Lead Wire
FNP40L

• **SNP30 Tip Shapes** * If the Tip Shape S probe is fully stroked and lateral load applied, the steps on the plunger shaft may hinder the returning action.

SR 5.0 11.0 90° 03.0 03.4 03.0 5.0 11.0 02.0 02.0 02.0 01.47 02.95 33.0 4.0 5.0 03.0 03.4 5.0 11.0 90° 02.0 02.0 02.0 01.0 02.0 5.0 11.0 03.0 03.0 5.0 11.0 90° 8.0 03.0 14.0 03.0

Part Number	Full Stroke	Operating Point	Spring Pressure		Maximum Operating Voltage	Replacement Cycle (Reference)	Mounting Hole for Press-Fitting Dimension (Reference)	Tip Shape B, G, L, S, BP, GP, GP8			Tip Shape D, J		
			Initial	2/3 Stroke				Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate		
SNP30	6.0mm	1.0mm from Tip	10gf	80gf	15V	100,000 times	3.00-3.03mm	1-69 pc (s)	70-99	100-150	1-69 pc (s)	70-99	100-150

* For connected equipment, input impedance must not be less than 10kΩ as a standard, and voltage must not be more than 1.5mA. * For orders larger than indicated quantity, please request a quotation.

Terminals for Probes

TNR8 TNR13

M Material: Brass **S** Surface Treatment: Gold Plating on Nickel Underplating

Example

FNP22
FNP22L

Part Number	Lead Wire Color Selection	Applicable Probes, Receptacles	D	d	h	Lead Wire Standards		Maximum Operating Voltage	Allowable Current	With Lead Wire		Terminal only	
						O.D.	Lead			Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
TNR8	W (White) R (Red) G (Green) B (Blue) N (Terminal only)	NR45T GNP12	1.05	0.84	2.0	∅0.6	∅0.12x7 pcs.	250V	3A	1-69 pc (s)	70-99	100-500	1-3 package (s)
TNR13	W (White) R (Red) G (Green) B (Blue) N (Terminal only)	FNP13 FNP13HD	1.7	1.35	3.0	∅1.0	∅0.08x40 pcs.	250V	4A	1-69 pc (s)	70-99	100-500	1-3 package (s)

* For ordering terminals only, the minimum order is a package of 10 pcs. * For orders larger than indicated quantity, please request a quotation.

Terminals for Probes

FNP22L FNP40L

M Material: Phosphor Bronze (Terminal)
S Surface Treatment: Tinned Plating (Terminal)

Lead Wire Standards
 O.D. ∅1.0 Rated Voltage: 30V
 Lead ∅0.12x10 pcs. Operating Temperature: 60°C
 * FNP22L is 600.

Part Number	Lead Wire Color Selection	D	Applicable Probes, Receptacles			Maximum Operating Voltage	Allowable Current	With Lead Wire			Terminal only		
			NR120T FNP10HD FNPS22	NP16 FNP22SF FNPS22HD	FNP10 FNP22			Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate		
FNP22L	B (Black) W (White) Y (Yellow) G (Green) R (Red) OR (Orange) P (Purple) BL (Blue) GR (Gray) BR (Brown) N (Terminal only)	2	NR120T FNP10HD FNPS22	NP16 FNP22SF FNPS22HD	FNP10 FNP22	250V	3A	1-69 pc (s)	70-99	100-500	1-3 package (s)	10-29	30-50
FNP40L	B (Black) W (White) Y (Yellow) G (Green) R (Red) OR (Orange) P (Purple) BL (Blue) GR (Gray) BR (Brown) N (Terminal only)	2.6	NR804-B FNP40SF FNPS35	NR60-B FNP40 FNPS35HD	NR84-B SNP30	250V	3A	1-69 pc (s)	70-99	100-500	1-3 package (s)	10-29	30-50

* For ordering terminals only, the minimum order is a package of 10 pcs. * For orders larger than indicated quantity, please request a quotation.

Ordering Example: Part Number - Tip Shape - Lead Wire Color
 SNP30 - B - BL
 TNR8 - - B
 FNP40L - - B

■ **Features:** A hair-drier or other heating devices can be used to heat shrink the tubes to protect, insulate and to prevent the solder-jointed Receptacles and lead wires from falling off.

Heat-Shrink Tubes

THUS (Black)

M Material: Electron Beam Cross-Bridge Soft Polyolefin Resin

Part Number	Standard Dimension	Dim. after Complete Shrinking	Unit Price	Volume Discount Rate		
					Type	Nominal No.
THUS (Black)	0.8	0.8±0.25	0.4			
	1.0	1.4±0.25	0.5			
	1.5	1.9±0.25	0.75			
	2.0	2.3±0.25	1.0			

* The products are sold by the package (100 pcs.). * For orders larger than indicated quantity, please request a quotation.

Ordering Example: Part Number
 THUS1.0