


Positioning Switches

Standard / L-Shaped

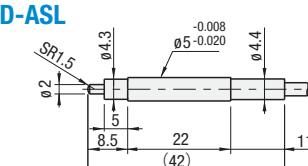
Removed Cable Protectors from MSTKD-C, N-MSTKD-CD, MSTKD-H, N-MSTKD-HD to allow the product being more compact. Mechanical / Electrical Specifications and Precautions for Use, refer to P.2188.

Positioning Switches – Standard (IP67)

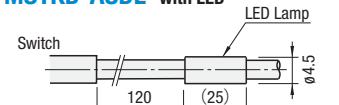


Type	Contact Part		Main Body	Cable	
	Material	Hardness	Material		
MSTKD-ASL MSTKD-C MSTKD-H	N-MSTKD-ASDL N-MSTKD-CD N-MSTKD-HD	420 Stainless Steel	45-50 HRC min.	303 Stainless Steel	Cable 3m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7

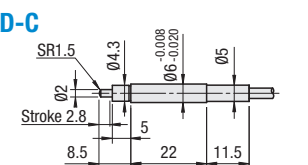
MSTKD-ASL



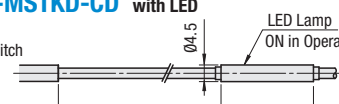
N-MSTKD-ASDL with LED



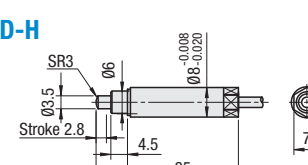
MSTKD-C



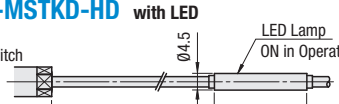
N-MSTKD-CD with LED



MSTKD-H

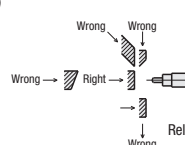


N-MSTKD-HD with LED



Force must be applied normal to the switch. (Declination within ±3°)

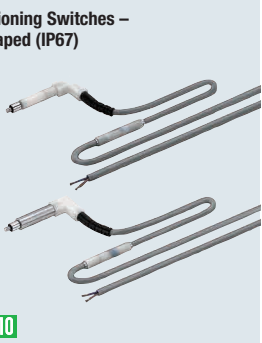
Use within the contact ratings. Do not pull or twist the cable with a force of 30N or more.



Part Number	Stroke	Operating Point	Contact Force N	Contact Mechanism
MSTKD-ASL N-MSTKD-ASDL MSTKD-C N-MSTKD-CD MSTKD-H N-MSTKD-HD	2.8	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)

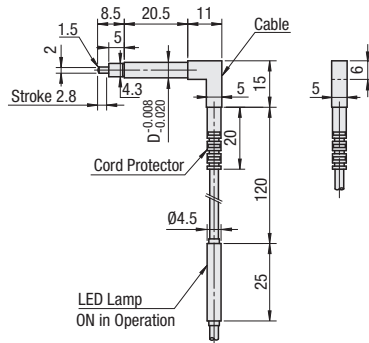
For Mechanical / Electrical Specifications and Precautions for Use, refer to P.2188.

Positioning Switches – L-Shaped (IP67)



Type	Contact Part		Main Body	Cable
	Material	Hardness	Material	
N-MSTKG-C	420 Stainless Steel	45-50 HRC min.	303 Stainless Steel	Cord 3 m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7

N-MSTKG-C with LED



Use within the contact ratings. Do not pull or twist the cable with a force of 30N or more. Note that cable inlets should avoid the bending or twisting force.

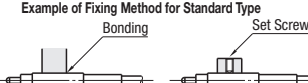
Part Number	D	Stroke	Operating Point	Contact Force N	Contact Mechanism
N-MSTKG-C	6	2.8	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)

Part Number Example

Part Number
MSTKD-C
N-MSTKG-C

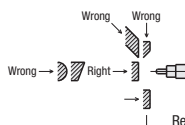
Application Example

Example of Fixing Method for Standard Type



For ABS body switches (MSTKD-A, N-MSTKD-AD, N-MSTKG-A), use adhesive that contains no organic solvents. When fixing with a set screw, set it at about 15 mm from the switch tip. Tighten only by 1/2 turn more after the screw tip makes contact.

Force must be applied normal to the switch. (Declination within ±3°)




Positioning Switches

Bolt / Long Stroke / L-Shaped

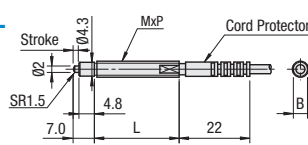
Removed Cable Protectors from MSTKD-B, MSTKD-BF, MSTKD-BB, N-MSTKD-BD, N-MSTKD-BFD, N-MSTKD-BDD, N-MSTKD-ED to allow the product being more compact. For Mechanical / Electrical Specifications and Precautions for Use, refer to P.2188.

Positioning Switches – Bolt (IP65)

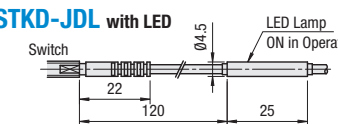


Type	Contact Part		Main Body	Cable
	Material	Hardness	Material	
MSTKD-B N-MSTKD-BD MSTKD-BF N-MSTKD-BFD MSTKD-BB N-MSTKD-BBD	420 Stainless Steel	45-50 HRC min.	303 Stainless Steel	Cord 3 m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7

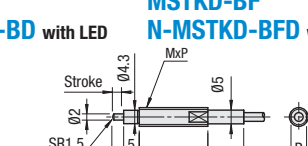
MSTKD-JL M5



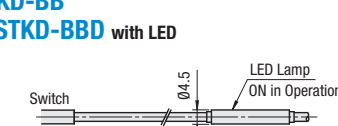
N-MSTKD-JDL with LED



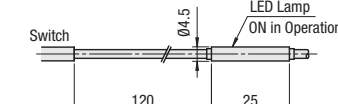
MSTKD-B M6, 8



MSTKD-BF N-MSTKD-BFD with LED

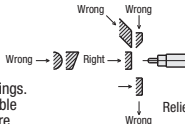


MSTKD-BB N-MSTKD-BBD with LED



Force must be applied normal to the switch. (Declination within ±3°)

Use within the contact ratings. Do not pull or twist the cable with a force of 30N or more.




Contact Part	Material	Hardness	Main Body	Material	Cable	Accessories
420 Stainless Steel	45-50 HRC min.	303 Stainless Steel	Cord 3 m, 2-Conductors Ø3, Oil-Resistant	Min. Bending Radius R7	Hexagon Nuts 2 pcs.	M5: Thickness 2.4, Wrench Size 7 M6: Thickness 3.2, Wrench Size 8 M8: Thickness 3.2, Wrench Size 10

Part Number	M x P (Fine)	Stroke	Operating Point	Contact Force N	Contact Mechanism	L	I	B
MSTKD-JL N-MSTKD-JDL	M5 x 0.5	2.8	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)	22	11.5	4.4
MSTKD-B N-MSTKD-BD	0.5							
MSTKD-BF N-MSTKD-BFD MSTKD-BB N-MSTKD-BBD	1			NC (Normally Closed)				

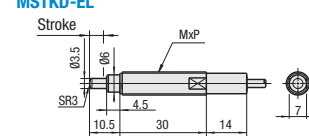
Cable Protectors are omitted for more compactness.

Positioning Switches – Long Stroke (IP65)

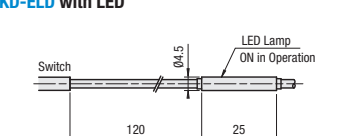


Type	Contact Part		Main Body	Cable
	Material	Hardness	Material	
MSTKD-EL N-MSTKD-ELD	420 Stainless Steel	45-50 HRC min.	303 Stainless Steel	Cord 3m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7

MSTKD-EL



N-MSTKD-ELD with LED




Use within the contact ratings. Do not pull or twist the cable with a force of 30N or more.

Contact Part	Material	Hardness	Thread	Material	Cable	Accessories
420 Stainless Steel	45-50 HRC min.	303 Stainless Steel	Cord 3m, 2-Conductors Ø3, Oil Resistant	Min. Bending Radius R7	Hexagon Nuts 2 pcs. (Thickness 3.2 Wrench Size 10)	

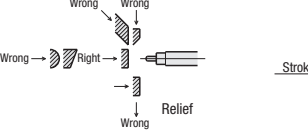
Part Number	M x P (Fine)	Stroke	Operating Point	Contact Force N	Contact Mechanism
MSTKD-EL N-MSTKD-ELD	8 x 0.75	5	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)

Contact Switches – L-Shaped Bolt (Degree of Protection IP65)

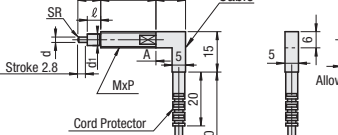


Type	Contact Part		Main Body	Cable
	Material	Hardness	Material	
N-MSTKG-B With LED MSTKG-F With LED	420 Stainless Steel	45-50 HRC min.	303 Stainless Steel	Cord 3 m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7

N-MSTKG-B With LED



MSTKG-F With LED



Force must be applied normal to the switch. (Declination within ±3°)

Use within the contact ratings. Do not pull or twist the cable with a force of 30N or more. Note that cable inlets should avoid the bending or twisting force.

Contact Part	Material	Hardness	Main Body	Material	Cable	Accessories
420 Stainless Steel	45-50 HRC min.	303 Stainless Steel	Cord 3 m, 2-Conductors Ø3, Oil Resistant	Min. Bending Radius R7	Hexagon Nuts 2 pcs. (M6 Thickness 3.2 Wrench Size 8, M8 Thickness 3.2 Wrench Size 10)	

Part Number	M x P (Fine)	Stroke	Operating Point	Contact Force N	Contact Mechanism	L	I	d	d ₁	SR	B
N-MSTKG-B MSTKG-F	M6 x 0.75 M8 x 0.75	2.8	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)	20.5	5	2	4.3	1.5	5
						30	4.5	3.5	6	3	7

Part Number Example

Part Number
MSTKD-JL
MSTKD-EL
MSTKG-F