

\* Part Number MSTKD-A and N-MSTKD-AD have been discontinued as of April, 2018. Other products are continued to be sold.

# Positioning Switches

Standard/L-Shaped

For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

**Standard (IP65)**

**MSTKD-ASL N-MSTKD-ASDL (With LED)**

**MSTKD-A N-MSTKD-AD (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  $\pm 3^\circ$ )

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

RoHS10

Type	Contact Part	Main Body	Cable
	Material Hardness	Material	
MSTKD-A N-MSTKD-AD	EN 1.4029 Equiv.	45~50HRC	ABS Resin
MSTKD-ASL N-MSTKD-ASDL	EN 1.4029 Equiv.	45~50HRC	EN 1.4305 Equiv.
MSTKD-C N-MSTKD-CD	EN 1.4029 Equiv.	45~50HRC	EN 1.4305 Equiv.
MSTKD-H N-MSTKD-HD	EN 1.4029 Equiv.	45~50HRC	EN 1.4305 Equiv.

Part Number	Stroke	Operating Point	Contact Force N	Contact Logic	MSTKD-ASL, A, C, H Unit Price 1 ~ 9 pc(s).	MSTKD-ASL, A, C, H Volume Discount Rate 10~20	N-MSTKD-ASDL, AD, CD, HD Unit Price 1 ~ 9 pc(s).	N-MSTKD-ASDL, AD, CD, HD Volume Discount Rate 10~20
MSTKD-ASL N-MSTKD-ASDL	2.0	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)				
MSTKD-A N-MSTKD-AD	2.8							
MSTKD-C N-MSTKD-CD								
MSTKD-H N-MSTKD-HD								

Part Number	Stroke	Operating Point	Contact Force N	Contact Logic	MSTKD-ASL, A, C, H		N-MSTKD-ASDL, AD, CD, HD	
					Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
MSTKD-ASL N-MSTKD-ASDL	2.0	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)				
MSTKD-A N-MSTKD-AD	2.8							
MSTKD-C N-MSTKD-CD								
MSTKD-H N-MSTKD-HD								

For orders larger than indicated quantity, please check with WOS.

For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

**L-Shaped (IP65)**

**N-MSTKG-A (With LED)**  
**N-MSTKG-C (With LED)**

Force must be applied normal to the switch. (Declination within  $\pm 3^\circ$ )

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

RoHS10

Type	Contact Part	Main Body	Cable
	Material Hardness	Material	
N-MSTKG-A	EN 1.4029 Equiv.	45~50HRC	ABS Resin
N-MSTKG-C	EN 1.4029 Equiv.	45~50HRC	EN 1.4305 Equiv.

Part Number	D	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
N-MSTKG-A	5	2.8	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)		
N-MSTKG-C	6						

Part Number	D	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
N-MSTKG-A	5	2.8	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)		
N-MSTKG-C	6						

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Ordering Example

Part Number

MSTKD-C N-MSTKG-C

Example of Fixing Method for Standard Type

Bonding

Set Screw

# Positioning Switches

Bolt Type/Bolt Type Long Stroke/L-Shaped Bolt

For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

**Bolt Type (IP65)**

**MSTKD-JL N-MSTKD-JDL (With LED)**

**MSTKD-B N-MSTKD-BD (With LED)**

**MSTKD-BF N-MSTKD-BFD (With LED)**

**MSTKD-BB N-MSTKD-BBD (With LED)**

**N-MSTKD-ED (With LED)**

Force must be applied normal to the switch. (Declination within  $\pm 3^\circ$ )

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

RoHS10

Contact Part	Main Body	Cable	Accessory
Material Hardness	Material		
EN 1.4029 Equiv.	45~50HRC	EN 1.4305 Equiv.	Cable 3m, 2-Conductors $\phi 3$ , Oil Resistant Min. Bending Radius R7

Part Number	MxP (Fine)	Stroke	Operating Point	Contact Force N	Contact Logic	L	$\ell$	B	MSTKD-JL, B, BF, BB Unit Price 1 ~ 9 pc(s).	MSTKD-JL, B, BF, BB Volume Discount Rate 10~20	N-MSTKD-JDL, BD, BFD, BBD, ED Unit Price 1 ~ 9 pc(s).	N-MSTKD-JDL, BD, BFD, BBD, ED Volume Discount Rate 10~20
MSTKD-JL N-MSTKD-JDL	M5x0.5	2.00.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)	26.4	-	4.4					
MSTKD-B N-MSTKD-BD	M6x0.75	2.8		0.5	NO (Normally Open)	22	11.5	5				
MSTKD-BF N-MSTKD-BFD				1	NC (Normally Closed)	22	11.5	5				
MSTKD-BB N-MSTKD-BBD				1	NO (Normally Open)	22	11.5	7				
N-MSTKD-ED	M8x0.75											

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For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

**Long Stroke Type (IP65)**

**MSTKD-EL N-MSTKD-ELD (With LED)**

Force must be applied normal to the switch. (Declination within  $\pm 3^\circ$ )

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

RoHS10

Contact Part	Thread	Cable	Accessory
Material Hardness	Material		
EN 1.4029 Equiv.	45~50HRC	EN 1.4305 Equiv.	Cable 3m, 2-Conductors $\phi 3$ , Oil Resistant Min. Bending Radius R7

Part Number	MxP (Fine)	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~19	N-MSTKD-ELD Unit Price 1 ~ 9 pc(s).	N-MSTKD-ELD Volume Discount Rate 10~20
MSTKD-EL N-MSTKD-ELD	8x0.75	5	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)				

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For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

Part Number	MxP (Fine)	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~19	N-MSTKD-ELD Unit Price 1 ~ 9 pc(s).	N-MSTKD-ELD Volume Discount Rate 10~20
MSTKD-EL N-MSTKD-ELD	8x0.75	5	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)				

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For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

**L-Shaped Bolt (IP65)**

**N-MSTKG-B (With LED)**

**MSTKG-F (With LED)**

Force must be applied normal to the switch. (Declination within  $\pm 3^\circ$ )

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

RoHS10

Contact Part	Main Body	Cable	Accessory
Material Hardness	Material		
EN 1.4029 Equiv.	45~50HRC	EN 1.4305 Equiv.	Cable 3m, 2-Conductors $\phi 3$ , Oil Resistant Min. Bending Radius R7

Part Number	MxP (Fine)	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
N-MSTKG-B	M6x0.75	2.8	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)		
MSTKG-F	M8x0.75						

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Part Number	MxP (Fine)	Stroke	Operating Point	Contact Force N	Contact Logic	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20
N-MSTKG-B	M6x0.75	2.8	0.3 from Tip (Repeatability 0.005)	1	NO (Normally Open)		
MSTKG-F	M8x0.75						

For orders larger than indicated quantity, please check with WOS.

Ordering Example

Part Number

MSTKD-JL MSTKD-EL MSTKG-F