

# Contact Switches with Stoppers

Bolt

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

**Bolt (IP40)**

The cartridge (back side) can be removed.  
Force must be applied normal to the switch. (Declination within ±3°)

**MSTB-S**  
**MSTBS**

(M6)

Stroke 0.7

**N-MSTB-SD** (With LED)  
**N-MSTBS-D** (With LED)

(M6)

Stroke 0.7

(M8, 10)

Stroke 0.7

(M8, 10)

Stroke 0.7

Tip of Contact		Stopper		Main Body	Cable	Accessory
Material	Hardness	Material	Hardness	Material		
SUS420	45~50HRC	SUS420	45~50HRC	SUS416F	Cable 2m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7	Hex Nut 2 pcs.* Toothed Washer 1 pc.

\* Coarse JIS3 Class, Fine M6: Thickness 3.2, Hex Socket 8, Fine M8 Thickness 3.2 (Ø1.0, Thickness 3) Hex Socket 10, Fine M12 Thickness 4.5 Hex Socket 17

Part Number	MxP	Stroke	Operating Point	Contact Force	Allowable Static Load	Contact Logic	B	MSTB-S, MSTBS		N-MSTB-SD, N-MSTBS-D	
								Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
								1 ~ 9 pc(s).		10~20	
<b>MSTB-S</b>	6	6x1.0 (Coarse)	0.7	Approximately 0.3 from stopper surface (repeatability 0.01)	2N	5000N	5	NC (Normally Closed)			
<b>N-MSTB-SD</b>											
<b>MSTBS</b>	6	6x1.0 (Coarse)	0.7	Approximately 0.3 from stopper surface (repeatability 0.01)	2N	5000N	5	NO (Normally Open)			
<b>N-MSTBS-D</b>											
								8	8x1.25 (Coarse)		
	10	10x1.5 (Coarse)									

Ordering Example **Part Number**  
**MSTB-S6**

# Contact Switches with Stoppers

Hex Head / One-Signal (Deceleration)

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**Hex Head (IP40)**

The cartridge (back side) can be removed.  
Force must be applied normal to the switch. (Declination within ±3°)

**MSTBE**

(M6)

Stroke 0.7

**N-MSTBE-D** (With LED)

(M6)

Stroke 0.7

(M8)

Stroke 0.7

(M8)

Stroke 0.7

Tip of Contact		Stopper		Main Body	Cable	Accessory
Material	Hardness	Material	Hardness	Material		
SUS420	45~50HRC	SUS420	45~50HRC	SUS303	Cable 2m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7	Hex Nut 2 pcs.* Toothed Washer 1 pc.

\* Coarse JIS3 Class, Fine M8 Thickness 3.2 Hex Socket 10, Fine M12 Thickness 4.5 Hex Socket 17

Part Number	MxP	Stroke	Operating Point	Contact Force	Allowable Static Load	Max. Impact Energy	Contact Logic	B	(C)	MSTBE		N-MSTBE-D	
										Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
										1 ~ 9 pc(s).		10~20	
<b>MSTBE</b>	6	6x1.0 (Coarse)	0.7	Approximately 0.3 from stopper surface (repeatability 0.01)	2N	5000N	0.4J	NO (Normally Open)	10	11.5			
<b>N-MSTBE-D</b>											8	8x1.25 (Coarse)	

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**One-Signal (Deceleration) (IP40)**

Force must be applied normal to the switch. (Declination within ±1°)

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

**N-MSTBG** (With LED)

Tip of Contact		Stopper		Main Body	Cable	Accessory
Material	Hardness	Material	Hardness	Material		
SUS420	45~50HRC	SUS420	45~50HRC	SUS416F	Cable 2m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7	Hex Nut 2 pcs.* Toothed Washer 1 pc.

\* Coarse JIS3 Class, Thickness 4.5 Hex Socket 17

Part Number	Type	No.	MxP	Stroke S	Operating Point	Repeatability	Contact Force	Allowable Static Load	Max. Impact Energy	Contact Logic	B	Unit Price	Volume Discount Rate
												1 ~ 9 pc(s).	10~20
<b>N-MSTBG</b>		6	6x1 (Coarse)	2.5	0.3 ~ 0.4 from Tip	0.01	1N	5000N	0.4J	NO (Normally Open)	5		

Ordering Example **Part Number**  
**MSTBE-6**  
**N-MSTBG6**

