

Positioning Switches with Stoppers

Bolt / Hexagon Head

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

Positioning Switches with Stoppers – Bolt (IP65)

RoHS10

The cartridge (back side) can be removed.

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

Wrong → Wrong
Wrong → Right → Relief
Wrong

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

MSTB-S
MSTBS

M6

SR0.8 MxP Ø8 Cord Protector

Flat Area Ø3.4

Stroke 0.7

25 6 20

M8, 10

SR0.8 MxP Ø6 Cord Protector

Flat Area Ø4.5

Stroke 0.7

31.5 6 20

N-MSTB-SD with LED
N-MSTBS-D with LED

LED Lamp NC: OFF in Oper. NO: ON in Oper.

Ø4.5

20 120 25

Tip of Contact		Stopper		Main Body	Cable	Accessories
Material	Hardness	Material	Hardness	Material		
420 Stainless Steel	45–50 HRC min.	420 Stainless Steel	45–50 HRC min.	416 Stainless Steel	Cable 2 m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7	Hex Nuts 2 pcs. Toothed Washer 1 pc.

*Coarse Thread JIS3 Class, Fine Thread M6 Thickness 3.2 Hex Socket 8, Fine Thread M8 Thickness 3.2 (8 x 1.0, Thickness 3) Hex Socket 10, Fine Thread M12 Thickness 4.5 Hex Socket 17

Part Number		M x P	Stroke	Operating Point	Contact Force	Allowable Static Load	Contact Mechanism	B		
Type	No.									
MSTB-S	6	6 x 1.0 Coarse Thread	0.7	Stroke Center Vicinity	2N	5000N	NC Normally Closed	5		
N-MSTB-SD										
MSTBS N-MSTBS-D	6	6 x 1.0 Coarse Thread		Repeatability 0.01					NO Normally Open	
	8	8 x 1.25 Coarse Thread						7		
	10	10 x 1.5 Coarse Thread					8			

Part Number Example

Part Number

MSTB-S6

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

Positioning Switches with Stoppers – Hexagon Head (IP65)

RoHS10

The cartridge (back side) can be removed.

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

Wrong → Wrong
Wrong → Right → Relief
Wrong

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

MSTBE

M6

SR0.8 MxP Ø8 Cord Protector

Flat Area Ø3.4

Stroke 0.7

(3) 21 6 20

M8

SR0.8 MxP Ø6 Cord Protector

Flat Area Ø4.5

Stroke 0.7

6.9 24.6 6 20

N-MSTBE-D with LED

LED Lamp ON in Operation

Ø4.5

20 120 25

Tip of Contact		Stopper		Main Body	Cable	Accessories
Material	Hardness	Material	Hardness	Material		
420 Stainless Steel	45–50 HRC min.	420 Stainless Steel	45–50 HRC min.	303 Stainless Steel	Cable 2 m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7	Hex Nuts 2 pcs.* Toothed Washer 1 pc.

*Coarse Thread JIS3 Class, Fine Thread M8 Thickness 3.2 Opposite Side 10, Fine Thread M12 Thickness 4.5 Wrench Size 17

Part Number		M x P	Stroke	Operating Point	Contact Force	Allowable Static Load	Shock Resistance Energy	Contact Mechanism	B	(C)
Type	No.									
MSTBE	6	6 x 1.0 Coarse Thread	0.7±0.2	Stroke Center Vicinity Repeatability 0.01	2N	5000N	0.4J	NO Normally Open	10	11.5
N-MSTBE-D	8								13	15

Part Number Example

Part Number

MSTBE6

Application Example

Positioning Switches with Stoppers

Sphere / One-Signal (Deceleration)

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

Positioning Switches with Stoppers – One Signal (Deceleration, IP40)

RoHS10

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

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

N-MSTBG with LED

LED Lamp ON in Operation

Ø4.5

20 120 25

Tip of Contact		Stopper		Main Body	Cable	Accessories
Material	Hardness	Material	Hardness	Material		
420 Stainless Steel	45–50 HRC min.	420 Stainless Steel	45–50 HRC min.	416 Stainless Steel	Cable 2m, 2-Conductors Ø3, Oil Resistant Min. Bending Radius R7	Hex Nuts 2 pcs.* Toothed Washer 1 pc.

* Coarse Thread JIS3 Class, Thickness 4.5 Hex Socket 17

Part Number		M x P	Stroke S	Operating Point	Operating Point Repeatability	Contact Force	Static Load Capable Structure	Shock Resistance Energy	Contact Point	B
Type	No.									
N-MSTBG	6	6 x 1 (Coarse)	2.5	0.3–0.4 from Tip	0.01	1N	5000N	0.4J	NO (Normally Open)	5

Part Number Example

Part Number

MSTBE6
N-MSTBG6