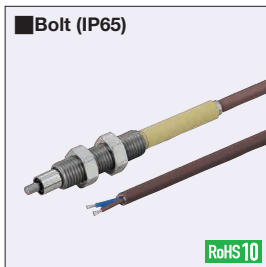


Heat Resistant Positioning Switches

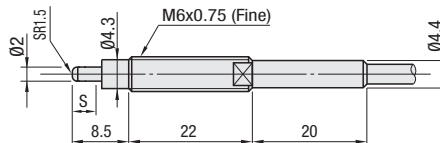
Bolt Type/Ball Plunger/With Stopper

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



■ Bolt (IP65)

MSTKD-HR



- Operating Temperature: ~ 200°C
- The export application to the Ministry of Economy, Trade and Industry is necessary for exporting this product.

RoHS10

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

Contact Part		Main Body	Cable	Accessory
M	H	M		A
Material	Hardness	Material		
SUS420	45~50HRC	SUS303	Cable 2m, 2-Conductors Ø3, Heat Resistant Min. Bending Radius R7	Hex Nut 2 pcs. (Thickness 3.2, Hex Socket 8)

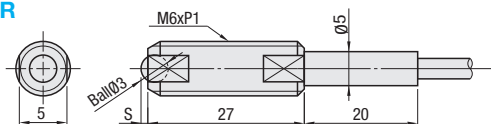
Part Number	Stroke S	Operating Point	Contact Force	Contact Logic	Unit Price	Volume Discount Rate
					1 ~ 9 pc(s).	10~20
MSTKD-HR	2.8	0.3 from Tip (Repeatability 0.01 (Ambient Temp.))	1N	NO (Normally Open)		

For orders larger than indicated quantity, please check with WOS. For Mechanical / Electrical Specifications and Precautions for Use, **P2095**



■ Ball Plunger (IP40)

MSPB-HR



- Operating Temperature: ~ 200°C
- The export application to the Ministry of Economy, Trade and Industry is necessary for exporting this product.

RoHS10

- Care must be taken for the object not to hit the switch body before hitting the operating point.



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

Contact Part		Main Body	Cable	Accessory
M	H	M		A
Material	Hardness	Material		
SUS440C	50~55HRC	SUS303	Cable 2m, 2-Conductors Ø3, Heat Resistance Min. Bending Radius R7	Hex Nut 2 pcs. (Coarse Thread JIS Class 3) Toothed Washer 1 pc.

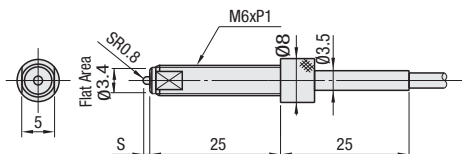
Part Number	Stroke S	Operating Point	Contact Force		Contact Logic	Unit Price	Volume Discount Rate
			min.	max.		1 ~ 9 pc(s).	10~20
MSPB-HR	0.8	0.2 ~ 0.4 (Repeatability 0.01 (Ambient Temp.))	6N	13N	NO (Normally Open)		

For orders larger than indicated quantity, please check with WOS. For Mechanical / Electrical Specifications and Precautions for Use, **P2095**



■ With Stopper (IP40)

MSTB-HR



- Operating Temperature: ~ 200°C
- The export application to the Ministry of Economy, Trade and Industry is necessary for exporting this product.

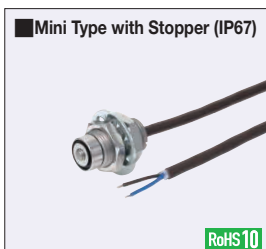
RoHS10

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

Tip of Contact		Stopper		Main Body	Cable	Accessory
M	H	M	H	M		A
Material	Hardness	Material	Hardness	Material		
SUS420	45~50HRC	SUS420	50HRC	SUS416F	Cable 2m, 2-Conductors Ø3, Heat Resistant Min. Bending Radius R7	Hex Nut 2 pcs. (Coarse Thread JIS Class 3) Toothed Washer 1 pc.

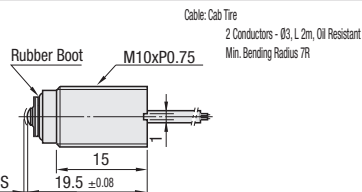
Part Number	Stroke S	Operating Point	Contact Force	Allowable Static Load	Max. Impact Energy	Contact Logic	Unit Price	Volume Discount Rate
							1 ~ 9 pc(s).	10~20
MSTB-HR	0.7	Center Vicinity (Repeatability 0.01 (Ambient Temp.))	1N	5000N	0.4J	NO (Normally Open)		

For orders larger than indicated quantity, please check with WOS. For Mechanical / Electrical Specifications and Precautions for Use, **P2095**



■ Mini Type with Stopper (IP67)

MSNWL-HR



- Operating Temperature: ~ 200°C
- The export application to the Ministry of Economy, Trade and Industry is necessary for exporting this product.

RoHS10

MMaterial
Main Body: SUS416F (45HRC)
Contact Part: SUS420(50HRC)

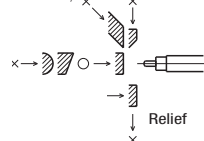
AAccessory
Hex Nut 2 pcs. (Thickness 3 Hex Socket 13)
Toothed Washer 1 pc.

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

Part Number	Stroke S	Operating Point	Contact Force	Allowable Static Load	Max. Impact Energy	Contact Logic	Unit Price	Volume Discount Rate
							1 ~ 9 pc(s).	10~20
MSNWL-HR	0.3	Center Vicinity (Repeatability 0.01 (Ambient Temp.))	1N	3000N	0.2J	NO (Normally Open)		

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

- Contact Method of Detected Subject
- Except Ball Plunger Switch (Declination within ±3°)



- Ball Plunger Switch (All Directions)



Ordering Example
Part Number
MSTKD-HR
MSPB-HR
MSTB-HR
MSNWL-HR