

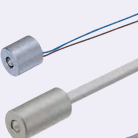
Contact Switches with Stoppers

Mini, Drip-Proof (IP44) /Water-Proof (IP67)

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

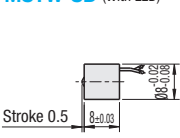
⚠ Although this is a drip-proof type, it is not suited for use in environment in which coolant or cutting chips may fall on the product.

Drip-Proof (IP44) Standard



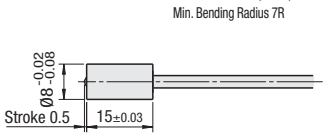
RoHS 10

MSTW-S Cable: Loose Wire (No Thermal Compression Tube)
MSTW-SD (With LED) 2 Conductors - Ø0.6, L 0.5m Oil Resistant




Stroke 0.5

MSTW-L Cable: Cab Tire
2 Conductors - Ø3, L 2m, Oil Resistant
Min. Bending Radius 7R



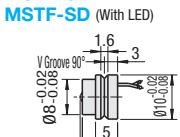
Stroke 0.5

Drip-Proof (IP44) Flanged Cylinder



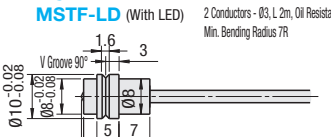
RoHS 10

MSTF-S Cable: Loose Wire (No Thermal Compression Tube)
MSTF-SD (With LED) 2 Conductors - Ø0.6, L 0.5m Oil Resistant




Stroke 0.5

MSTF-L Cable: Cab Tire
MSTF-LD (With LED) 2 Conductors - Ø3, L 2m, Oil Resistant
Min. Bending Radius 7R



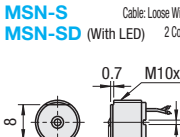
Stroke 0.5

Drip-Proof (IP44) Screw



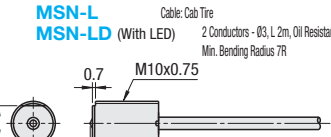
RoHS 10

MSN-S Cable: Loose Wire (No Thermal Compression Tube)
MSN-SD (With LED) 2 Conductors - Ø0.6, L 0.5m Oil Resistant




Stroke 0.5

MSN-L Cable: Cab Tire
MSN-LD (With LED) 2 Conductors - Ø3, L 2m, Oil Resistant
Min. Bending Radius 7R



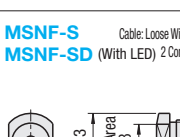
Stroke 0.5

Drip-Proof (IP44) Flanged Screw



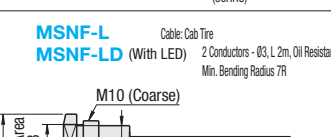
RoHS 10

MSNF-S Cable: Loose Wire (No Thermal Compression Tube)
MSNF-SD (With LED) 2 Conductors - Ø0.6, L 0.5m Oil Resistant




Stroke 0.5

MSNF-L Cable: Cab Tire
MSNF-LD (With LED) 2 Conductors - Ø3, L 2m, Oil Resistant
Min. Bending Radius 7R



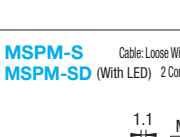
Stroke 0.5

Drip-Proof (IP44) Ball Contact Screw



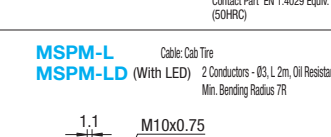
RoHS 10

MSPM-S Cable: Loose Wire (No Thermal Compression Tube)
MSPM-SD (With LED) 2 Conductors - Ø0.6, L 0.5m Oil Resistant

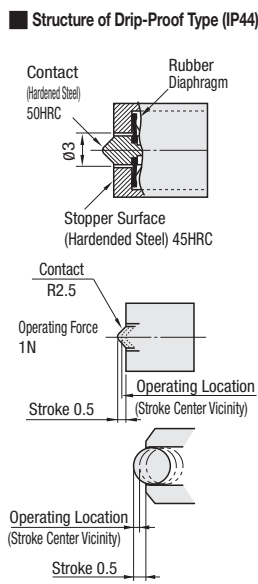
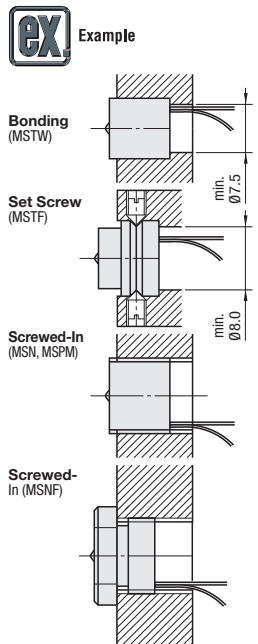


Stroke 0.5

MSPM-L Cable: Cab Tire
MSPM-LD (With LED) 2 Conductors - Ø3, L 2m, Oil Resistant
Min. Bending Radius 7R



Stroke 0.5




- Use within the contact ratings.
- Do not pull or twist the loose wires with 15N or more. Also do not pull or twist the cab tire cords with 30N or more.

Part Number	Stroke	Operating Point	Contact Force	Allowable Static Load	Max. Impact Energy	Contact Logic	-S		-SD		-L		-LD	
Type							Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
MSTW	0.5	Center Vicinity (Repeatability 0.01)	0.8N	3000N	0.2J	NO (Normally Open)	1 ~ 9 pc(s).	10~20	1 ~ 9 pc(s).	10~20	1 ~ 9 pc(s).	10~20	1 ~ 9 pc(s).	10~20
MSTF														
MSN														
MSNF														
MSPM														

⚠ Although this is a water-resisting type, it is not suited for use in environment in which coolant or dust from cutting may fall on the product.

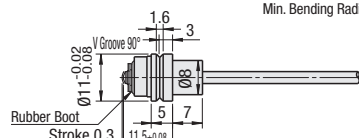
For Mechanical / Electrical Specifications and Precautions for Use, **P2095**

Waterproof (IP67), Flanged Cylinder




RoHS 10

MSWF-LD (With LED) Cable: Cab Tire
2 Conductors - Ø3, L 2m, Oil Resistant
Min. Bending Radius 7R



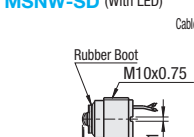
Stroke 0.3

Waterproof (IP67), Screw



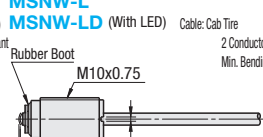
RoHS 10

MSNW-SD (With LED) Cable: Loose Wire (No Thermal Compression Tube)
2 Conductors - Ø0.6, L 0.5m Oil Resistant




Stroke 0.3

MSNW-L Cable: Cab Tire
MSNW-LD (With LED) 2 Conductors - Ø3, L 2m, Oil Resistant
Min. Bending Radius 7R



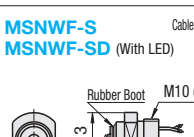
Stroke 0.3

Waterproof (IP67), Flanged Screw



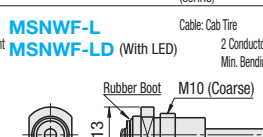
RoHS 10

MSNWF-S Cable: Loose Wire (No Thermal Compression Tube)
MSNWF-SD (With LED) 2 Conductors - Ø0.6, L 0.5m Oil Resistant

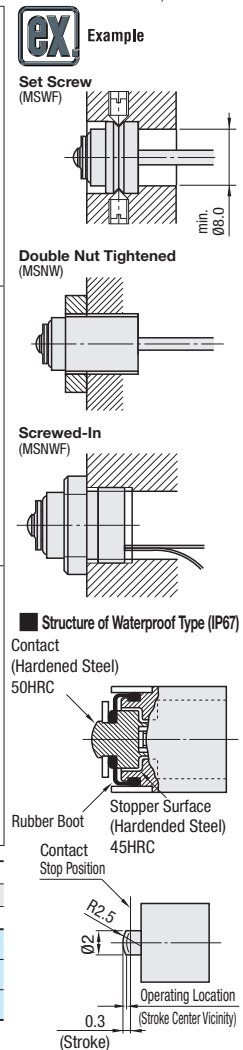


Stroke 0.3

MSNWF-L Cable: Cab Tire
MSNWF-LD (With LED) 2 Conductors - Ø3, L 2m, Oil Resistant
Min. Bending Radius 7R



Stroke 0.3



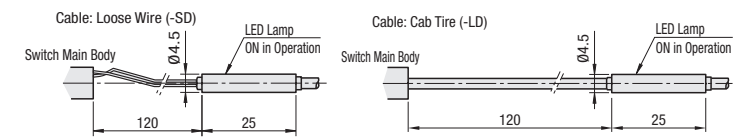
Part Number	Stroke	Operating Point	Contact Force	Allowable Static Load	Max. Impact Energy	Contact Logic	-S		-SD		-L		-LD	
Type							Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
MSWF	0.3	Center Vicinity (Repeatability 0.01)	1N	3000N	0.2J	NO (Normally Open)	1 ~ 9 pc(s).	10~20	1 ~ 9 pc(s).	10~20	1 ~ 9 pc(s).	10~20	1 ~ 9 pc(s).	10~20
MSNW														
MSNWF														

Ordering Example

Part Number

MSTW-SD
MSTF-L
MSN-S
MSNF-L
MSPM-LD
MSNW-L
MSNWF-S

(Common to "with LED" Type)



- Use within the contact ratings.
- Do not pull or twist the loose wires with 15N or more. Also do not pull or twist the cab tire cords with 30N or more.

