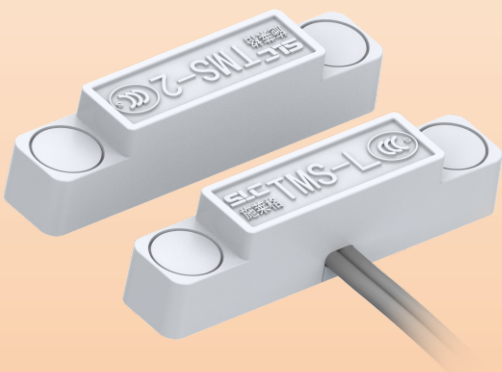




TMS door safety switch



TMS door switch function features

TMS switches use permanent magnets to trigger reed switches to detect the switching status of the machine, which is simple to install and sensitive to detection.

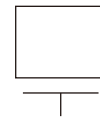
Technical parameters

Electrical Parameters	TMS	TMS-L
Safety standard	EN60947-5-1	GB/T14048.5
Certification	CE CCC(CQC)	
Detection distance	18mm	8mm
Contact loop	1A	1B
Voltage	DC100V (DC use only)	Below DC127V
Current	DC100mA (DC use only)	Below DC1.5A
Contact capacity	10W	30W
Response frequency	Less than 20Hz	Less than 50Hz
Operating frequency	-10~+55°C No icing, condensation	-40~+100°C No icing, condensation
Humidity	5-95% (No Condensation)	
Contact resistance	Less than 100mΩ	Less than 150mΩ
Insulation resistance	More than $5 \times 10^8 \Omega$	
Withstand Voltage	AC1000V 1min Terminal and shell	
Life	2×10^6 cycles DC24V0.1A Resistive loads	10^6
Vibration (durable)	10~55Hz bilateral amplitude 1.5mm	
Impact (durable)	30gX、Y、Z each directions 3 times	
Protection Grade	IP40	IP65
Contact	Terminal table type	Direct outlet type
Material	Pa66 (gray)	

TMS complete selection guide

TMS

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Product series

Features

Empty: Crimping screw, normally closed type

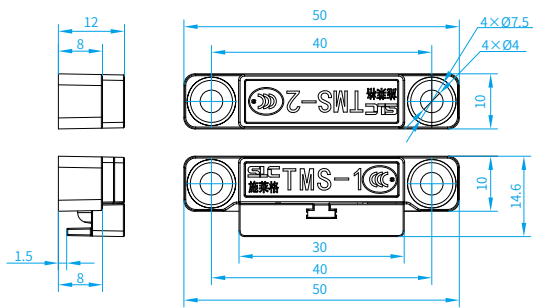
LC: Direct outlet, normally closed type

LO: Direct outlet, normally open type

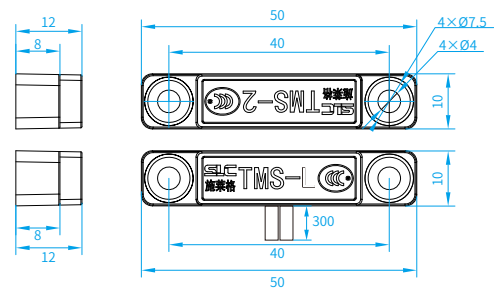
TMS door switch selection table

Items	Operative mode	Whole set	Sensors	Actuators
Model	Normal	TMS	TMS-1	TMS-2 LOT501040S
Order Number	close	LOT502340S	LOT501340S	
Model	Normal	TMS-LC	TMS-C	
Order Number	close	LOT50232LC	LOT50134LC	
Model	Normal	TMS-LO	TMS-O	
Order Number	open	LOT50232LO	LOT50134LO	

TMS installation and dimensions

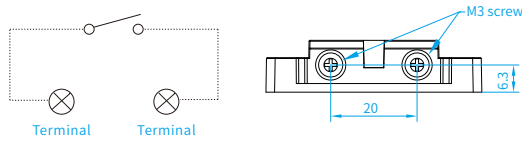


TMS-L installation and dimensions

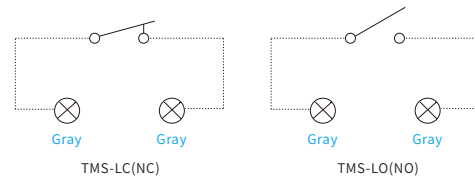


※Affected by product configuration and manufacturing process, the actual product size, weight may be different, please refer to the actual product

TMS wiring diagram

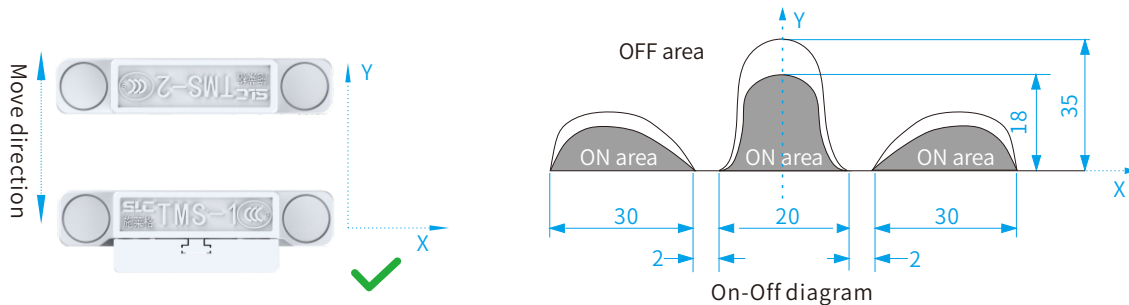


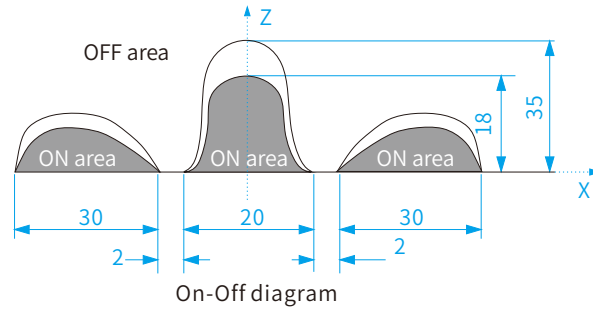
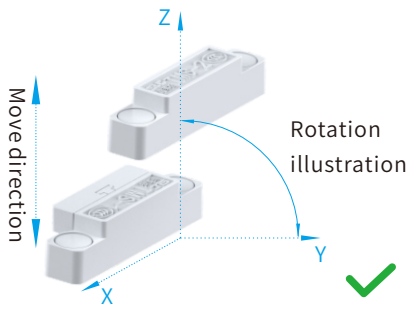
TMS-L wiring diagram



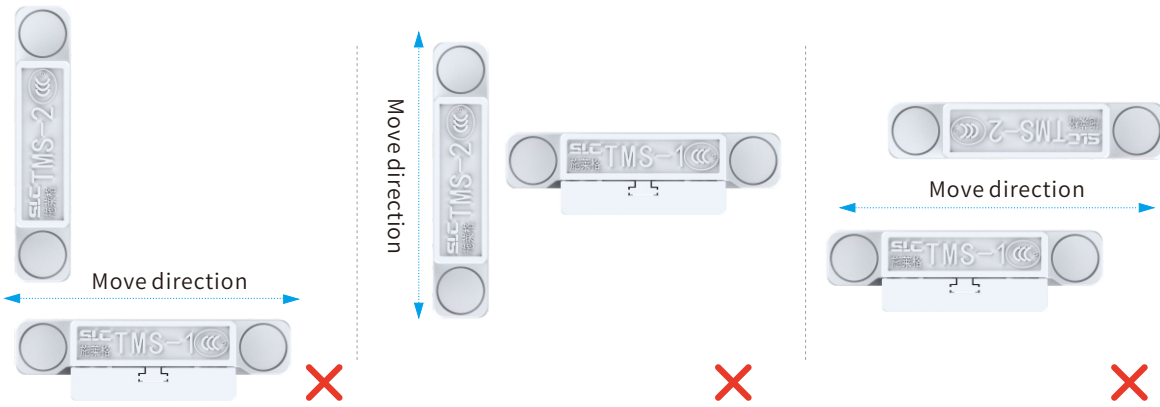
TMS instruction

✓ Recommended usage



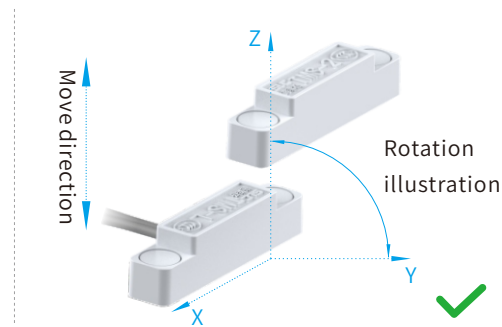
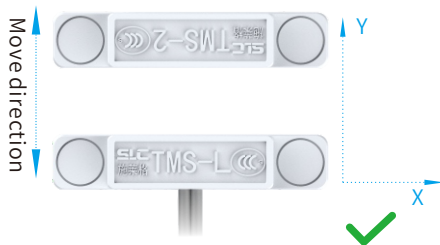


✗ It is not recommended to use this method, and the sensor may be switched on and off many times during the use of this method.



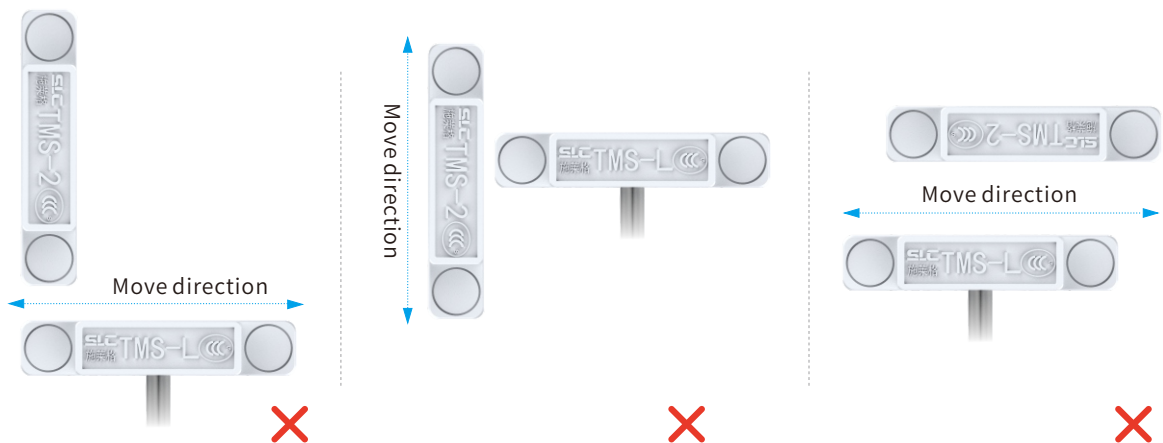
TMS-L instruction

✓ Recommended usage



TMS DOOR SAFETY SWITCH

✗ It is not recommended to use this method, and the sensor may be switched on and off many times during the use of this method.

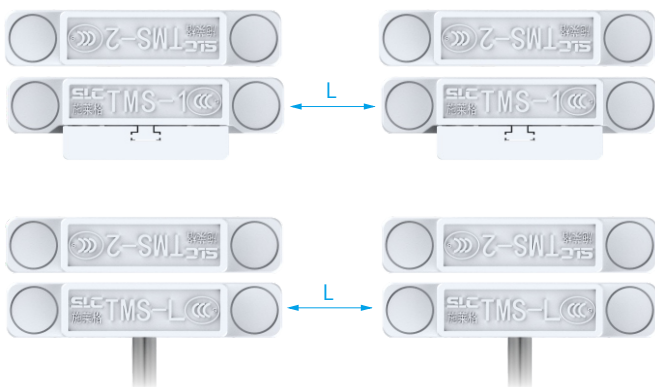


Notes

- About installation

When mounted on a magnetic material such as an iron plate, the characteristics change.

When multiple sets are used at the same time, the installation spacing L is not less than 100mm.



- Others

When the switching part is subjected to a large impact or a current or voltage that exceeds the contact capacity, it will cause poor operation.