

Safety Edge Rubber Bumper

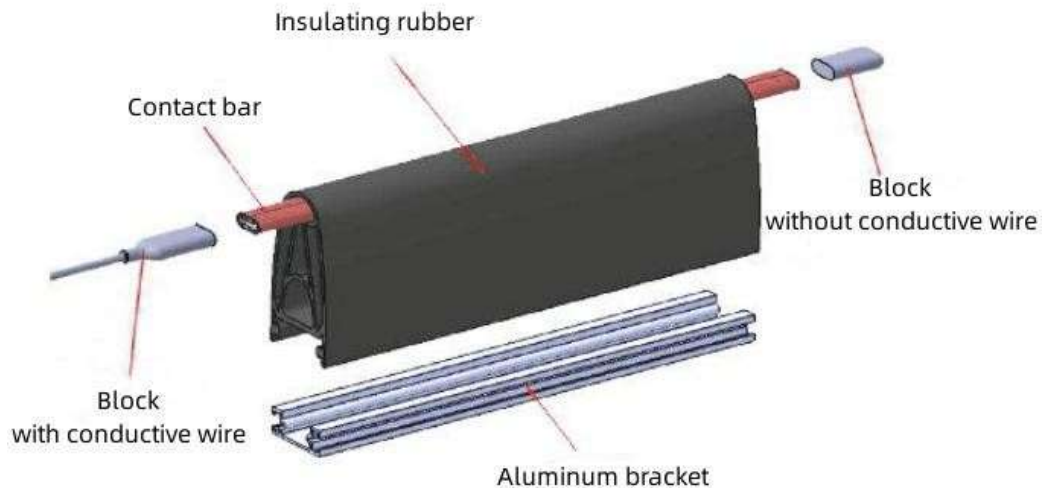
Catalogue



Myten Tech Co., Ltd

November 2022

Working principle & Application scope



Working Principle

For a device installed with a safety edge, in the process of traveling, if the outermost insulating layer of the safety edge touches a human or an obstacle, the separated inner conductive layers with a certain distance will be squeezed to connect to each other, and then resistance changes, it will send a valid signal to the controller; after the controller receives the signal, the device will stop the movement or reverse.

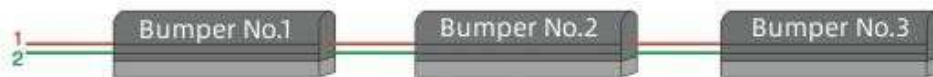
Application scope

Automated guided vehicle, automotive middle doors, trunk door, luggage compartment doors, sunroofs, welding robots, parking machines, rubber machinery, assembly machinery, material handling equipment, packaging machines, stamping machinery, press machinery, automotive manufacturing safety areas, sliding doors with shear risk, moving bulkheads, automatic sliding doors, electric doors, etc.

Wire connection & Outlet

Regular connection mode

- Connection in serial



- Connection in parallel



Wire outlet type



Single-side
direct outlet



Two-sides
direct outlet



Single-side
bottom outlet



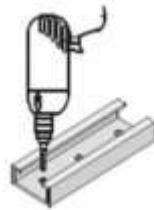
Two-sides
bottom outlet

Installation instructions

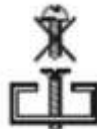
1. In order to facilitate the installation of the safety edge, the mounting base needs to be fixed on a flat surface. If the safety edge needs to be installed with a certain arc, the bending radius shall not be less than the minimum specified value.



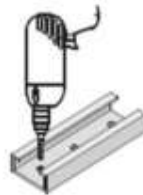
2. The mounting base must be fixed with countersunk head screws or rivets with a diameter of 4mm. The punched holes are 4.5mm and must be evenly distributed over the entire length of the mounting base, and the hole spacing must not exceed the specified value.



3. Do not use flat head or round head screws, otherwise the connecting wires in the mounting base will be damaged.



4. In order for the connecting wire to pass through the base, an 8mm hole must be drilled in place and the burrs around the perimeter must be carefully removed.



5. The connecting conductors and cable ends with terminating resistors must be placed in the mounting base.

6. To make the installation of the safety edge easier, soapy water should be sprayed on the mounting base and the safety edge. After the soapy water evaporates, the safety edge can be firmly fixed on the aluminum base. To avoid slippage of the safety edge, long-lasting lubricants such as talc, oil, etc. must not be used.



Models and Specifications

Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-45-45-854-245-U	U shape	Conductive rubber	45*45	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance > 100M Ω Opening force < 15N Opening angle Max 90° Opening Distance 1.5± 0.3mm Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp -20°C to +60°C Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life >10000 times
MT-42-46-790-S	S shape	Conductive rubber	42*46	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-45-45-819-260-U	U shape	Conductive rubber	45*45	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-16.5-6.5-1834-S	S shape	Conductive rubber	16.5*6.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance > 100M Ω Opening force < 15N Opening angle Max 90° Opening Distance 1.5± 0.3mm Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp -20°C to +60°C Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life >10000 times
MT-45-45-790-260-U	U shape	Conductive rubber	45*45	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-16.5-8.5-1079-S	S shape	Conductive rubber	16.5*6.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	



Models and Specifications

Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-14.5-8.5-1834-S	S shape	Conductive rubber	14.5*8.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-35-35-690-260-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-14.5-8.5-1279-S	S shape	Conductive rubber	14.5*8.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-25-25-623-160-U	U shape	Conductive rubber	25*25	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-12.5-4.5-1048-S	S shape	Conductive rubber	12.5*4.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-25-25-448-360-U	U shape	Conductive rubber	25*25	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	



Models and Specifications

Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-55-55-454-345-U	U shape	Conductive rubber	55*55	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-52-66-490-S	S shape	Conductive rubber	52*66	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-65-65-319-460-U	U shape	Conductive rubber	65*65	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-20-8-1334-S	S shape	Conductive rubber	20*8	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-65-35-290-560-U	U shape	Conductive rubber	65*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-6.5-2.5-1179-S	S shape	Conductive rubber	6.5*2.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	



Models and Specifications

Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-14-6-1534-S	S shape	Conductive rubber	14*6	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-85-25-490-330-U	U shape	Conductive rubber	55*25	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-55-35-1379-S	S shape	Conductive rubber	5.5*3.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-45-85-123-860-U	U shape	Conductive rubber	45*85	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-25-14.5-548-S	S shape	Conductive rubber	2.5*14.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-125-125-441-860-U	U shape	Conductive rubber	125*125	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	



Models and Specifications

Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-15-55-454-345-U	U shape	Conductive rubber	15*55	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5\pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life >10000 times
MT-22-36-490-S	S shape	Conductive rubber	22*36	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-25-45-319-460-U	U shape	Conductive rubber	25*45	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-44-4-1534-S	S shape	Conductive rubber	44*6	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5\pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life >10000 times
MT-45-45-490-330-U	U shape	Conductive rubber	45*45	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-45-45-1379-S	S shape	Conductive rubber	4.5*4.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	



Models and Specifications

Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-44-54-1534-S	S shape	Conductive rubber	44*54	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-45-55-490-330-U	U shape	Conductive rubber	45*55	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-45-55-1379-S	S shape	Conductive rubber	4.5*55	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-35-35-657-160-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-55-14.5-548-S	S shape	Conductive rubber	55*14.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-35-35-662-160-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	



Models and Specifications

Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-25-35-754-245-U	U shape	Conductive rubber	25*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-32-36-690-S	S shape	Conductive rubber	32*36	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-32-36-740-S	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-14.5-8.5-1734-S	S shape	Conductive rubber	14.5*8.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5 \pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life > 10000 times
MT-35-35-690-160-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-14.5-8.5-1179-S	S shape	Conductive rubber	14.5*8.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	



Models and Specifications

Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-35-35-723-160-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5\pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life >10000 times
MT-14.5-8.5-1248-S	S shape	Conductive rubber	14.5*8.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-35-35-648-160-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
MT-14.5-8.5-1317-S	S shape	Conductive rubber	14.5*8.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5\pm 0.3mm$ Singal mode Normal-ON/Off Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life >10000 times
MT-14.5-8.5-1120-S	S shape	Conductive rubber	14.5*8.5	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-35-35-690-255-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
MT-35-35-840-160-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	



Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
35-35-720-256-MT-NO-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5\pm 0.3mm$ Singal mode Normal-ON/Off - Normal open Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life >10000 times
35-35-790-160-MT-NO-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
35-35-680-160-MT-NO-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
Product model name (Order number)	Type	Name	Size	Color	Material	Assembly	Specs
24-34-1234-MT-NO-S	S shape	Conductive rubber	24*34	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	Conductive resistance $\leq 100\Omega$ Insulation resistance $> 100M\Omega$ Opening force $< 15N$ Opening angle Max 90° Opening Distance $1.5\pm 0.3mm$ Singal mode Normal-ON/Off - Normal open Current Max 1A Voltage Max. 36V Working temp $-20^\circ C$ to $+60^\circ C$ Water proof IPX3 Working environment High and low temperature resistance, ozone, salt spray aging Servicing life >10000 times
35-35-690-255-MT-NO-U	U shape	Conductive rubber	35*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	
55-35-1798-MT-NO-S	S shape	Conductive rubber	55*35	Black (Customizable)	Elastic rubber mix leather outer layer	Aluminum base snap in	





Product Photos



MYTEN TECH CO., LTD

Address: Shenzhen (HQ) 8 Xinwang Rd, Xinsheng, 518116

Longgang, Shenzhen, China

Email: contact@myten-tech.com

Tel: +86-156-2280-9680