



BUMPER SWITCHES

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OJIDEN's bumper switches are safety switches characterized by their excellent cushioning property, serving to eliminate hazards by detecting contact or collision.

Applications and Features

The switches may readily be installed in unmanned vehicles, medical/care-related robots, large-scale X/Y tables, or other moving equipment for prevention of accidents.



Specifications

	Standard	Optional			
Rated voltage/current	AC/DC28V-1A				
External sheathing	Vinyl leather	Vinyl leather	Splash	LASTAN (heat-resistant)	Aluminum leather
External sheathing color	Black	User-specified	Black	Gray	Metallic gloss
External sheathing sewing	Stitching				
Cushioning material	Urethane foam				
Base plate	Plywood (15 mm thick; 2400 mm max. in length)	Steel sheet, aluminum, hard vinyl chloride			
Mounting screw	M8 L=30mm	As specified by user			
Operating force	30 N (approx.)				
Wire type	4-wire or 2-wire resistance type				
Lead wire	VFF 0.3mm ² red, black x 2	As specified by user			
Lead wire length	500mm	As specified by user			

※ The bumper switches are custom-made items. Provide necessary information by furnishing a drawing.

Body Dimensions/Configuration

● When placing an order, provide the following information:

- ◆ L length (mm)
- ◆ D depth (mm)
- ◆ H height (mm)
- ◆ R corner radius ($R \leq D-30$)
- ◆ B·E mounting screw position
- ◆ C lead wire lead-out position

※ The minimum H and D dimensions are 50 mm (reference only).

A-A Cross Section (S type)

A-A Cross Section (D-1 type)

A-A Cross Section (D-2 type)

※Indicate dimension h.