

# Belt Sway Switch

To prevent the material from falling from a conveyor

To protect the edge of conveyor belt from the contact with the frame



Two degree signals for conveyor automation

20 deg. : Alarm signal of conveyor misalignment

35 deg. : Control for conveyor stop against any more misalignment

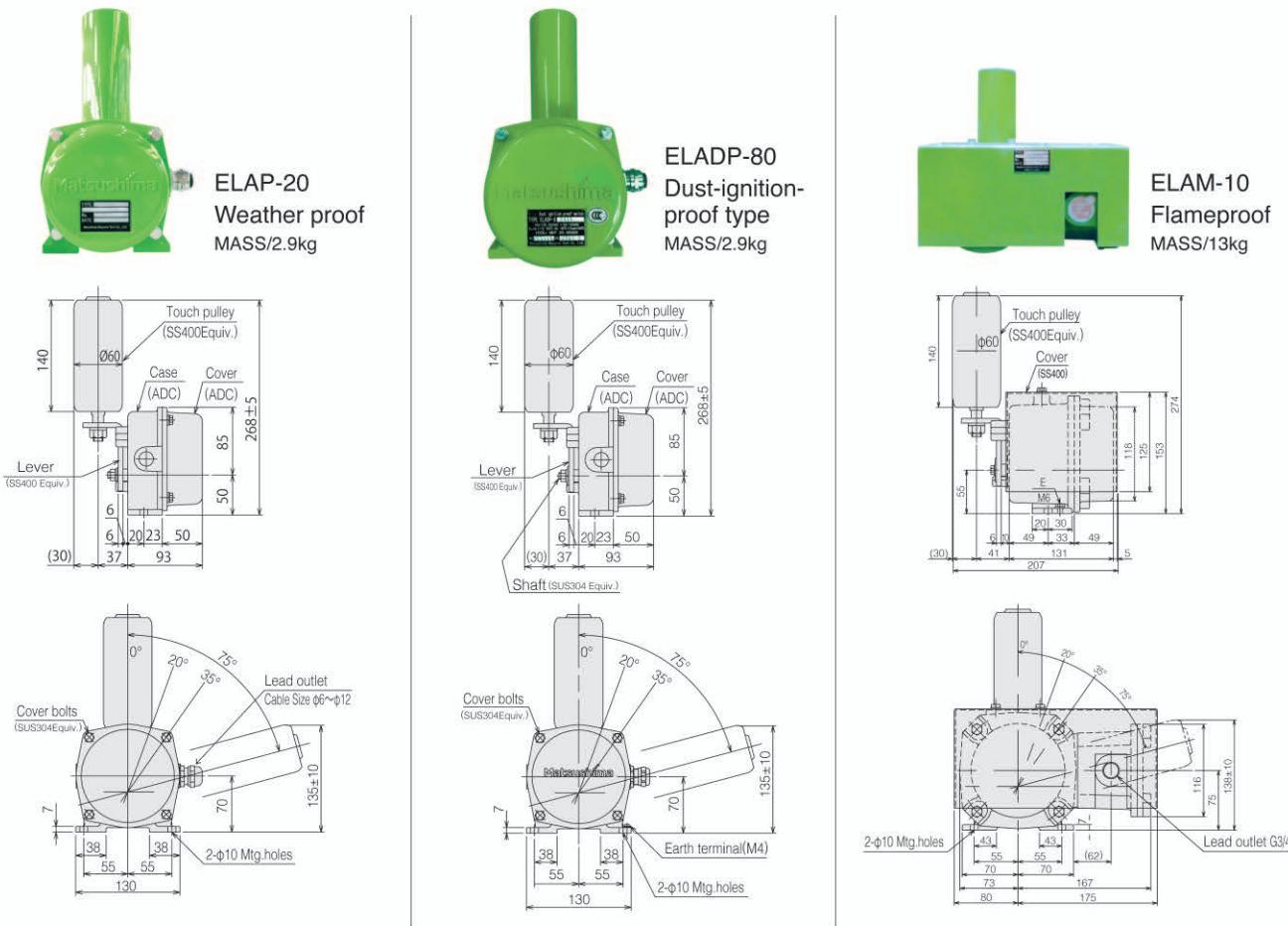
## FEATURES

- It is highly durable with options (special coating or SUS material touch pulley) under corrosive environment including fertilizer plant.
- It has a long life span and nice for conveyor belt by robust touch pulley with high quality bearing.
- It is easy to adjust two operational degrees at a site.
- It is a long life span in tropical countries by moisture resistance microswitch.

## SPECIFICATIONS

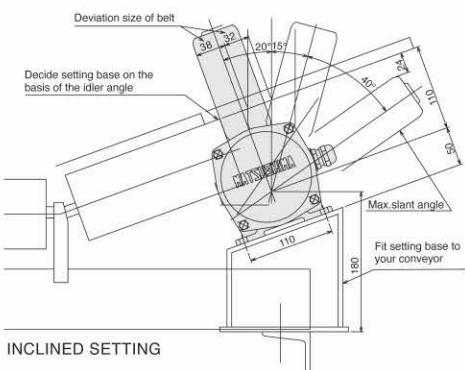
Inclination angle of touch pulley	MAX 75°	Temperature	Weather proof	-20°C - +60°C
Operating torque of touch pulley	3.4 - 5.4Nm(0.35 - 0.55kgfm)		Dust-ignition-proof	
Contacts	2C	Enclosure	Flameproof	-10°C - +40°C
Capacity of contact	15A-125, 250VAC 1/2A-125VDC		Weather proof	IP67
Lead outlet	Weather proof Dust-ignition-proof		Dust-ignition-proof	Ex tDA1 IP68 T85°C
	G 1/2		Flameproof	d2 G4
	Flameproof	Coating color		Munsell 7.5GY6/10
	G 3/4			

## APPEARANCE & DIMENSION



## INSTALLATION EXAMPLE

Each dimension shown in the figures is based on a three-trough type belt conveyor, trough angle 20°, and belt width 600mm. For large belt width, compute dimensions of setting base by referring to the figures.

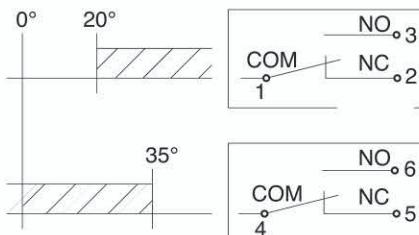


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## OPERATION

- The angles shown in the figure are the slant angles of the touch pulley.
- The contact 1-2 closes at 20° slant, and opens at 18° in reset.
- The contact 4-5 opens at 35° slant, and closes at 33° in reset.
- Action position of the contacts (limit switches) can be changed by adjusting the cams.

Setting error  $\pm 2^\circ$



### Caution

- Read the instructions to ensure correct and suitable application of products.
- Contact our nearest sales office when using our products for any systems used in situations which may be life threatening.

Distributor



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