

ENT-7

Part No. 244441

Contact strip for pressure sensitive safety edges

The ENT-7 contact strip is designed for the use as switching element in pressure sensitive safety edges. It consists of a flexible isolating rubber hose with two flexible conductive rubber bands inside, which are kept at a defined distance in its dormant state. Stranded wires embedded in the conductive rubber bands reduce the length dependent resistance of the conductive rubber.

The contact strip is terminated with appropriate end pieces type ENES-x on both ends and can be pulled into a therefore designed rubber profile. In combination with an approved signal processing unit this assembly can be used as a pressure sensitive safety edge system.

Contact strip data

Dimensions in mm	4.0 x 6.9 mm ±0.3
Material, cover / hose	EPDM, non-conductive, black
Material, contact band	EPDM, conductive, black
Material hardness (average value of material mix)	75 Shore A
Material, stranded wire	LAHN stranded wire
Weight	25 g/m
Delivery length, coiled (Article-No.; designation)	100 m (244422; ENT-7/100) 50 m (244421; ENT-7/50)
Storage temperature	-40°C to 80°C

Switching characteristics with end pieces ENES-x

Contact band distance	1.25 mm ±0.3
Actuating force (Ø 16 mm radial / 10 mm/s / vertical)	< 6 N
Actuating cycles	> 100'000
Max. voltage	24 V ACDC
Continuous current load at max. voltage	10 mA
Actuation resistance (typical / max.)	< 200 Ohm / 500 Ohm
Resistance per unit length	< 2 Ω/m
Protection class	IP65
Operating temperature	-25°C to 60°C
Bending radius (minimal), directions A / B / C / D ^{1.)}	100 / 100 / 200 / 200 mm

^{1.)} Guide values. Can be influenced by the rubber profile used.

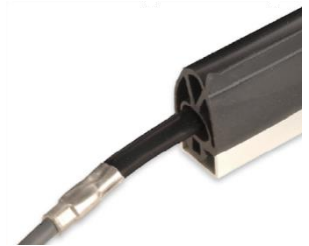
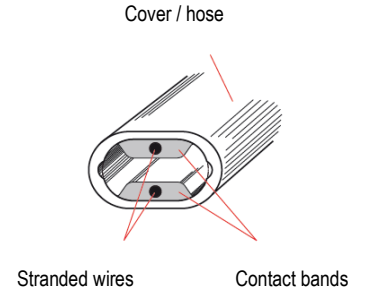
Conformity

REACH compliance	published on www.bircher.com
RoHS compliance	published on www.bircher.com
EC type-examination certificate	Available for pressure sensitive safety edges using ENT-7

Prefabricated contact strip ENT-7 with end pieces ENES-x

Designation key for order:

Type	Length	End piece left	End piece right
ENT-7	L _{total} [mm]	05 = cable 0.5 m 2 = cable 2 m x = cable x m	x = cable x m 8K = resistor 8k2 0K = no resistor
Designation example		ENT-7/2500/2/8K	



ENT-7 assembly with end piece ENES-Kx in rubber profile

