DATASHEET

EPE036/045A0V

Part No. 210760

ClickLine — **Rubber profile / Sensor for pressure sensitive edges**

A pressure-sensitive edge according to EN ISO 13856-2 consists of a sensor and a safety switching device and its intended use is for pressure-sensitive protection systems. This datasheet provides technical data about sensor type ELE036/045A0Vx and its single parts.

Rubber and mounting profile data	
Dimensions in mm (Tolerances acc. To DIN ISO 3302-1 tl. E2)	38 x 46
Material	EPDM, black
Delivery length	25 m
Weight	0.6 kg / m
Material hardness	65 Shore A
Accessory: Aluminium rail	AP-8
Accessory: End cap	EN-C60

Sensor data – determined with ENT-R with 8.2 kΩ terminal resistor	
Designation	**ELE036/045A0Vx**
Sensor length (min. /max.)	0.3 m / 6 m (longer on request)
Cable length (min. /max.)	0.5 m / 25 m
Actuating distance / Pre-travel (A / 100mm/s)*	11 mm
Actuating force (A / 100mm/s)*	110 N
Overtravel at 250 N (B1)*	14 mm
Overtravel at 400 N (B2)*	17 mm
Total travel at 600 N (C)*	29 mm
Operating temperature	-10°C to 55°C
Max. temperature range	-30°C to 75°C
End range with higher forces or inactive	25 mm
Switching angle	2 x 45°
Switching cycles	> 10'000
Degree of Protection	IP65
Max. voltage	24 V ACDC
Continuous current load at max. voltage	10 mA
Actuation resistance (typical / max.)	< 200 Ohm / 500 Ohm
Standards	EN ISO 13856-2 / EN 12978
No. of EC Type-examination certificate (EC TEC)	E 6589
Notified Body: Suva, Bereich Technik, SCESp 0008, No: 1246. The EC TEC is valid for this sensor in conjunction with a safety switching device (control unit and output signal switching device) specified by BBC Bircher AG and subjected to the prescribed conformity assessment procedure.	

*Acc. to EN ISO 13856-2; Test piece Ø 80 mm; Test location c3; Test speed (A) 100 mm/s; Temp. 20°C
The actuating force and the deformation travels depend on the response time of the used signal processing unit.







