EPE030/042A0V

ClickLine

Rubber profile / Safety Edge

Rubber profile data

Dimensions in mm (Tolerances acc. To DIN ISO 3302-1 tl. E2) 30 x 42
Material EPDM, black
Delivery length 50 m
Weight 0.55 kg / m
Material hardness 65 Shore A
Accessory: Aluminium rail AP-S
Accessory: End cap EN-C42

Safety edge data – assembled with ENT-R

Safety edge, designation ELE030/042A0Vx
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)* 6 mm
Actuating force (A / 100mm/s)* 60 N
Overtravel at 250 N (B1)* 18 mm
Overtravel at 400 N (B2)* 20 mm
Total travel at 600 N (C)* 27 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
Protection class 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
EC type examination certificate E 6587 (Suva)

*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.

Force-Travel Diagram, v = 100**%/s (A)