EPE025/029A0K

StandardLine  Rubber profile / Safety Edge

Rubber profile data
- Dimensions in mm (Tolerances acc. To DIN ISO 3302-1 tl. E2): 29 x 30
- Material: EPDM, black
- Delivery length: 50 m
- Weight: 0.5 kg / m
- Material hardness: 65 Shore A
- Accessory: Aluminium rail AP-S
- Accessory: End cap EN-C29

Safety edge data - assembled with ENT-R
- Safety edge, designation: ELE025/029A0Kx
- 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)*: 7 mm
- Actuating force (A / 100mm/s)*: 80 N
- Overtravel at 250 N (B1)*: 6 mm
- Overtravel at 400 N (B2)*: 10 mm
- Total travel at 600 N (C)*: 18 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 / EN 12978
- EC type examination certificate: E 6585 (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, $v = 100 \text{mm/s}$ (A)

<table>
<thead>
<tr>
<th>F [N]</th>
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<tbody>
<tr>
<td>150</td>
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<td>250</td>
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<td>400</td>
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<td>600</td>
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$s [\text{mm}]$

A B1 B2 C