

Technical data

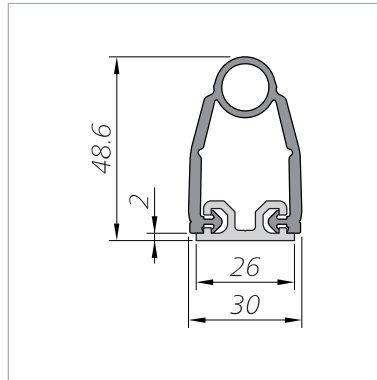
GP 48-2 EPDM with C 26

Normally closed safety edge SL NC II consisting of sensor and aluminium profile from the profile range C 26.

Testing basis	
ISO 13856-2	
Switching characteristics at $v_{\text{test}} = 100 \text{ mm/s}$	
Switching operations	>10,000
Actuation force	
Test piece (cylinder) Ø 80 mm	< 150 N
Actuation distance	
Test piece (cylinder) Ø 80 mm	14.8 mm
Actuation angle	
Test piece (cylinder) Ø 80 mm	90°
Response time	148 ms
Finger detection	no
Safety classifications	
ISO 13856: Reset function	without
ISO 13849-1:2015	Category 3 PL d
B_{10D} (Sensor)	2×10^6
Mechanical operating conditions	
Sensor length (min./max.)	30 cm / 6 m
Cable length (min./max.)	1.5 m / 100 m
Bend radii	not possible
Operating speed	
(min. / max.)	10 mm/s / 200 mm/s
max. load capacity	600 N
IEC 60529: Degree of protection	IP67
Humidity (max. at 23 °C)	95 % (non-condensing)
Operating temperature	-10 to +55 °C
Storage temperature	-20 to +80 °C
Weight	1.0 kg/m
Electrical operating conditions	
Contact transition resistance (max.)	5 Ohm
Number of sensors type BK	max. 10 in series
Switching voltage (PELV) (max.)	48 V DC
	48 V AC 50/60 Hz
Protection class	III
Switching current (max.)	20 mA
Contact fuse protection, external	250 mA slow-acting
Connection cable	Ø 3.3 mm PVC 1x 0.5 mm ²

Dimensions and distances

GP 48-2 EPDM (1:2)



Dimensional tolerances according to ISO 3302 E2/L2.

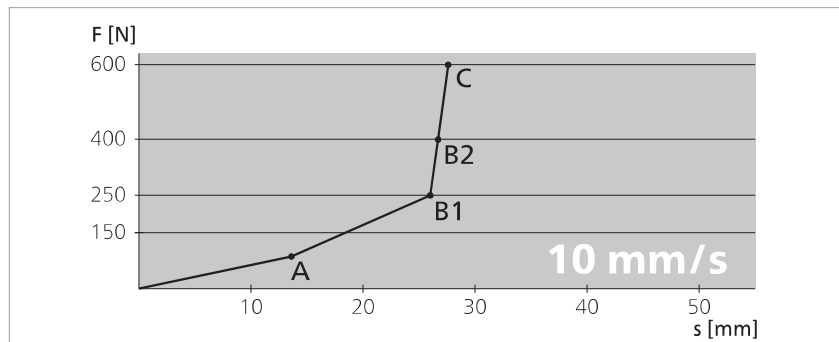
Test conditions

according to ISO 13856-2

- Installation position B
- Temperature +20 °C
- Measurement point c3
- Test sample 1 with Ø 80 mm
- without control unit

Force-distance ratios

Actuation force	86 N
Response time	1440 ms
Actuation distance (A)	14.4 mm
Overtravel distance	
up to 250 N (B1)	11.3 mm
up to 400 N (B2)	12.3 mm
up to 600 N (C)	13.2 mm
Total deformation	27.1 mm



Actuation force	95 N
Response time	148 ms
Actuation distance (A)	14.8 mm
Overtravel distance	
up to 250 N (B1)	10.8 mm
up to 400 N (B2)	11.6 mm
up to 600 N (C)	12.6 mm
Total deformation	26.9 mm

