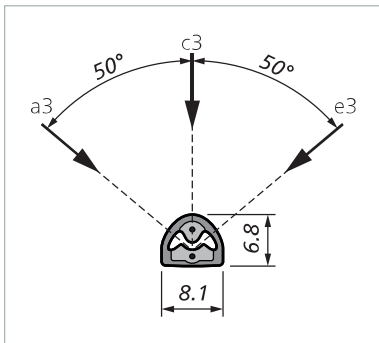
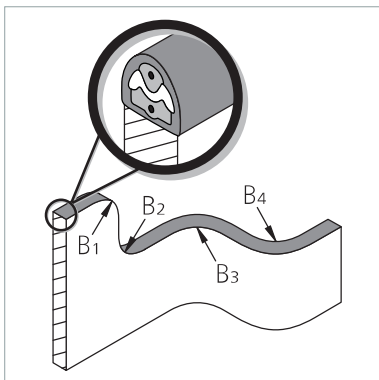


7501869 EKS 030 TPE



Dimensional tolerances according to ISO 3302 E2/L2

Bend radii:



Switching characteristics at $v_{test} = 50 \text{ mm/min}$

	+23 °C	-25 °C	-40 °C
Actuation force (c3)			
Test piece (rod) Ø 20 mm	< 15 N	< 25 N	< 30 N
Test piece (cylinder) Ø 80 mm	< 80 N	< 120 N	< 140 N
Actuation distance (c3)			
Test piece (cylinder) Ø 80 mm	< 2.0 mm		
Actuation angle (a3 to e3)			
Test piece (cylinder) Ø 80 mm	±50°		

Safety classifications

ISO 13849-1: B _{10D}	2 × 10 ⁶
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Mechanical operating conditions

Sensor length (min./max.)	100 mm / 150 mm
Cable length (min./max.)	200 mm / 100 mm
Tensile load, cable (max.)	40 N
Bend radii, minimum	
B ₁ / B ₂ / B ₃ / B ₄	70 / 60 / 30 / 30 mm
IEC 60529: degree of protection	IP67
EN 50125-1:	
Air temperature class	TX
Class of altitude range	AX, max. 2000 m NHN
Max. humidity at	100%
Max. temperature change	3 K/s
Operating temperature	-40 to +80 °C
Short-term (max. 10 min)	-40 to +100 °C
Weight (without cable)	40 g/m

Electrical operating conditions

When sensor is not actuated	
Terminal resistance (±1%)	1k2, 8k2, others on request
Nominal output (max.)	250 mW
When sensor is actuated	Test piece (cylinder) Ø 80 mm, F = 150 N
Contact transition resistance	< 400 ohms
Switching current (min. / max.)	DC 1 mA / DC 10 mA
More than one sensor	Max. 5 in series
Connection cable	1004733

Physical resistance

See page 8

Chemical resistance

See page 8