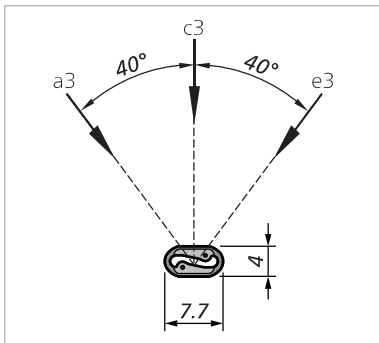
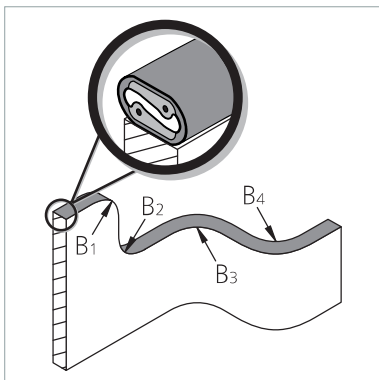


## 7501755 EKS 026 TPE



Dimensional tolerances according to ISO 3302 E2/L2

Bend radii:



<b>Switching characteristics at <math>v_{test} = 50</math> mm/min</b>			
	<b>+23 °C</b>	<b>-25 °C</b>	<b>-40 °C</b>
Actuation force ( $c3$ )			
Test piece (rod) $\varnothing$ 20 mm	< 10 N	< 15 N	< 20 N
Test piece (cylinder) $\varnothing$ 80 mm	< 50 N	< 90 N	< 100 N
Actuation distance ( $c3$ )			
Test piece (cylinder) $\varnothing$ 80 mm	< 1.5 mm		
Actuation angle ( $a3$ to $e3$ )			
Test piece (cylinder) $\varnothing$ 80 mm	$\pm 40^\circ$		
<b>Safety classifications</b>			
ISO 13849-1: $B_{10D}$	$2 \times 10^6$		
<b>Mechanical operating conditions</b>			
Sensor length (min./max.)	100 mm / 150 mm		
Cable length (min./max.)	200 mm / 100 mm		
Tensile load, cable (max.)	20 N		
Bend radii, minimum			
$B_1$ / $B_2$ / $B_3$ / $B_4$	80 / 50 / 120 / 120 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)	23 g/m		
<b>Electrical operating conditions</b>			
When sensor is not actuated			
Terminal resistance ( $\pm 1\%$ )	1k2, 8k2, others on request		
Nominal output (max.)	250 mW		
When sensor is actuated	Test piece (cylinder) $\varnothing$ 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	1004681		

### Physical resistance

See page 8

### Chemical resistance

See page 8