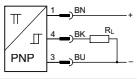
Sensor technologies → Proximity sensors

Sensor, Series ST6

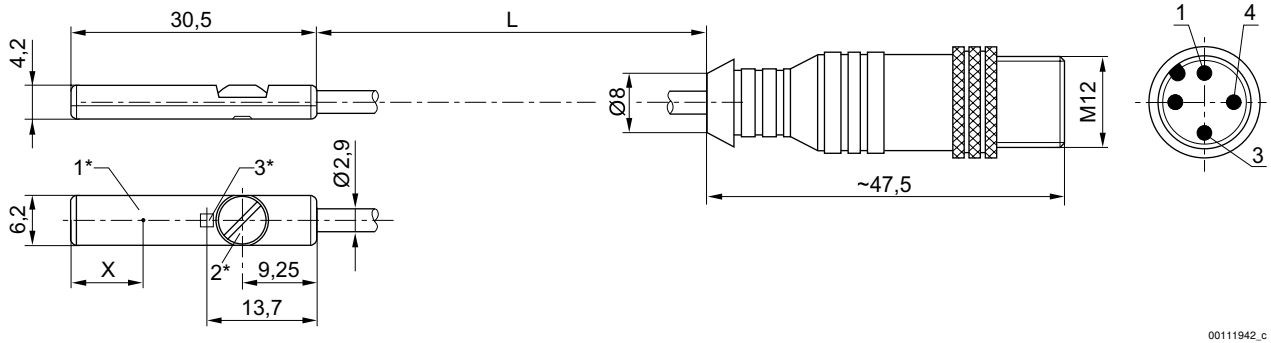
► 6 mm groove ► with cable ► Plug, M12, 3-pin, with knurled screw ► ATEX certified

00112027_4

Certificates	UL (Underwriters Laboratories)
ATEX	II 3G Ex nA op is II T4 X II 3 D Ex tD A22 IP67 T135°C X
Ambient temperature min./max.	-20°C / +45°C
Protection class	IP 65, IP 67
Switching point precision [mm]	±0,1
Nominal current, actuated state	< 30 mA
Quiescent current (without load)	< 20 mA
DC operating voltage min./max.	18 V
Switching capacity	3 W / 3 VA
LED status display	Yellow
Vibration resistance	10 - 55 Hz, 1 mm
Shock resistance	30 g / 11 ms
Materials:	
Housing	Polyamide
Cable sheath	Polyurethane

	Type of contact	Cable length	DC switching current, max.	Voltage drop U at Imax	Max. switching frequency	Part No.
		[m]	[A]	[V]	[kHz]	
	electronic PNP	0.3	0,07	≤ 2,5	< 1,0	**R412003659**
interfaces: Plug; M12; 3-pin; with knurled screw short circuit resistant; Protected against polarity reversal						

Dimensions



1* = switching point 2* = clamping screw 3* = LED
L = cable length
X = PNP: 6 mm
Pin assignment: 1 = (+), 3 = (-), 4 = (OUT), EN 60947-5-2:1998