Sensor technologies → Proximity sensors

Sensor, Series ST6

► 6 mm groove ► with cable ► Plug, M8, 3-pin

00112027_3

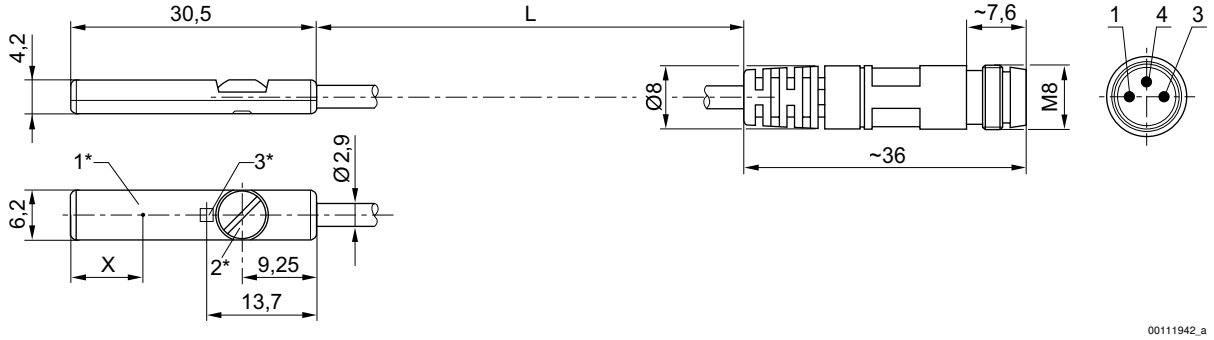
Certificates	UL (Underwriters Laboratories)
Ambient temperature min./max.	-25°C / +70°C
Protection class	IP 65, IP 67
Switching point precision [mm]	±0,1
DC operating voltage min./max.	10 V
Switching capacity	3 W / 3 VA
LED status display	Yellow
Vibration resistance	10 - 55 Hz, 1 mm
Shock resistance	30 g / 11 ms
Materials:	
Housing	Polyamide
Cable sheath	Polyurethane

	Type of contact	Cable length	Operational voltage AC min./max.	DC switching current, max.	AC switching current, max.	Voltage drop U at Imax	Protective resistor for reed	Part No.
		[m]	[V]	[A]	[A]	[V]	[Ω]	
	Reed	0.3	10 / 30	0,13	0,13	I*Rs	15	**0830100488**
	electronic PNP	0.3	-	0.1	-	≤ 2,5	-	**0830100489**
	electronic NPN	0.3	-	0.1	-	≤ 2,5	-	**0830100430**

Part No.	Max. switching frequency	Operating current, not switched	Operating current, switched	Note
	[kHz]	[mA]	[mA]	
0830100488	< 0,3	-	< 10 mA	1)
0830100489	< 1,0	< 20 mA	< 30 mA	2)
0830100430	< 1,0	< 20 mA	< 30 mA	2)

1) Protected against polarity reversal
2) short circuit resistant; Protected against polarity reversal
interfaces: Plug; M8; 3-pin

Dimensions



1* = switching point 2* = clamping screw 3* = LED
L = cable length
X = electronic: 6 mm, Reed: 10 mm
Pin assignment: 1 = (+), 3 = (-), 4 = (OUT), EN 60947-5-2:1998