

Sensor technologies ► Proximity sensors

Sensor, Series ST6

► 6 mm groove ► with cable ► without wire end ferrule, tin-plated, 2-pin, without wire end ferrule, tin-plated, 3-pin



00112027_2

Ambient temperature min./max.

-25 °C / +70 °C

Protection class

IP69K

Switching point precision [mm]

±0,1

Switching capacity

3 W / 3 VA

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 operating voltage min./max.	Operational voltage AC min./max.	Voltage drop U at I _{max}	DC switching current, max.	AC switching current, max.	Part No.
		[m]	[V]	[V]	[V]	[A]	[A]	
	Reed	3	10 / 110	10 / 110	I*Rs	0,13	0,13	R412007815
	Reed	3						0830100629
		5	10 / 30	10 / 30	I*Rs	0,13	0,13	0830100630
		10						R412004575
	electronic PNP	1.4						0830100635
		3	10 / 30	-	≤ 2,5	0.1	-	0830100631
		5						0830100632
		10						R412004576
	electronic NPN	3	10 / 30	-	≤ 2,5	0.1	-	0830100633
		5						0830100634

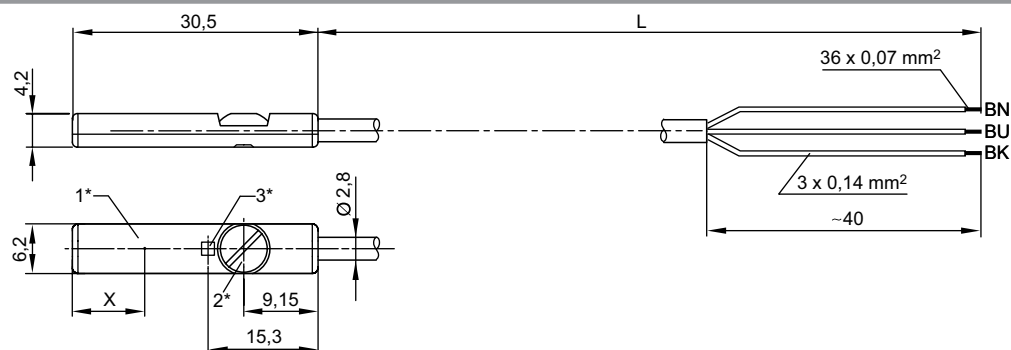
Part No.	Protective resistor for reed	Max. switching frequency	Operating current, not switched	Operating current, switched	LED	Note
	[Ω]	[kHz]	[mA]	[mA]		
R412007815	-	< 0,3	-	< 10 mA	Yellow	1); 3)
0830100629						
0830100630	15	< 0,3	-	< 10 mA	Yellow	2); 3); 5)
R412004575						
0830100635		< 0,1				2); 3); 5)
0830100631	-	< 1,0	< 20 mA	< 30 mA	Yellow	2); 4); 5)
0830100632		< 1,0				2); 4); 5)
R412004576		< 1,0				2); 4); 5)
0830100633	-	< 1,0	< 20 mA	< 30 mA	Yellow	2); 4); 5)
0830100634						

- 1) interfaces: without wire end ferrule, tin-plated; 2-pin
- 2) interfaces: without wire end ferrule, tin-plated; 3-pin
- 3) Protected against polarity reversal
- 4) short circuit resistant; Protected against polarity reversal
- 5) UL (Underwriters Laboratories)

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Dimensions



00111942_b

1* = switching point 2* = clamping screw 3* = LED

L = cable length

BN = brown, BK = black, BU = blue

X = electronic: 6 mm, Reed: 10 mm