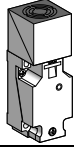
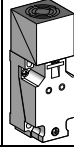


XS Plastic Rectangular Sensors

Table 20.7: General Purpose, Plastic Case, Limit Switch Style, 5-Position Turret Head

Sensor	Flush mountable in metal		Non-flush mountable in metal
A single product that automatically adapts to most environments. Accurate position detection via teach mode. non-flush mountable in metal flush mountable in metal			
General Specifications			
Product certifications	UL, CSA, CE		
Degree of protection conforming to IEC 60529	IP65, IP67, and IP69K		
Operating temperature	-25 to +70 °C (-13 to +158 °F) [1]		
DC Supply			
Catalog Numbers			
Nominal sensing distance Sn, mm (in.)	Increased range 20 (0.79)	15 (0.59)	Increased range 40 (1.57)
4-wire DC (complementary outputs)	PNP, NO + NC NPN, NO + NC	—	XS8C4A4PCN12 XS8C4A4NCN12
2-wire DC (non-polarized)	NO or NC programmable	XS7C4A1DPN12	XS8C4A4DPN12
Weight, kg (lb)	0.244 (0.54)	0.244 (0.54)	0.244 (0.54)
Supplemental Specifications			
Connection [2]	Screw terminals, clamping capacity: 2 or 4 x 1.5 mm ² (16 AWG)		
Operating zone, mm (in.)	0-16 (0-0.63)	0-12 (0-0.47)	0-32 (0-1.26)
Repeat accuracy	≤3% of effective sensing distance (Sr)		
Differential travel	3-15% of effective sensing distance (Sr)		
Status indication	Output	Yellow LED	
	Supply on	Green LED (4-wire)	
Rated supply voltage	12-48 Vdc with protection against reverse polarity		
Voltage limits (including ripple)	10-58 Vdc		
Current consumption, 4-wire no-load	<15 mA		
Switching capacity with overload + short-circuit protection	4-wire, 200 mA; 2-wire, 100 mA		
Residual current, 2-wire open state	<0.6 mA		
Voltage drop, closed state	4-wire, <2 V; 2-wire, <4.2 V		
Maximum switching frequency	300 Hz flush mount	300 Hz flush mount	150 Hz non-flush mount
Delays	First-up	4-wire, 7 ms; 2-wire, 20 ms	
	Response	Flush mount: ≤1.2 ms; non-flush mount: ≤1.4 ms	
	Recovery	Flush mount: ≤1.8 ms; non-flush mount: ≤3.5 ms	
Plug-in, AC or DC supply			
Catalog Numbers			
Nominal sensing distance Sn, mm (in.)	AC, Flush Mountable	AC/DC, Flush Mountable	AC/DC, Non-Flush Mountable
2-wire AC	NO or NC programmable	XS7C4A1DPN12	XS8C4A4DPN12
2-wire AC or DC universal model	NO or NC programmable	XS8C4A1MPN12	XS8C4A4MPN12
Supplemental Specifications			
Weight, kg (lb)	0.244 (0.54)	0.244 (0.54)	0.244 (0.54)
Connection [2]	Screw terminals, clamping capacity 2 x 1.5 mm ² (16 AWG)		
Operating zone, mm (in.)	0-16 (0-0.63)	0-12 (0-0.47)	0-32 (0-1.26)
Repeat accuracy	≤3% of effective sensing distance (Sr)		
Differential travel	3-15% of effective sensing distance (Sr)		
Output state indication	Yellow LED		
Rated supply voltage (with reverse polarity protection)	24-240 Vac, 50/60 Hz	24-240 Vac, 50/60 Hz / 24-210 Vdc	24-240 Vac, 50/60 Hz / 24-210 Vdc
Voltage limits (including ripple)	20-264 Vac or Vdc	20-264 Vac or Vdc	20-264 Vac or Vdc
Current consumption, no-load	—		
Switching capacity [3]	5-300 mA or 5-200 mA DC [3]	5-300 mA AC or 5-200 mA DC [3]	5-300 mA AC or 5-200 mA DC [3]
Residual current, open state	1.5 mA	1.5 mA	1.5 mA
Voltage drop, closed state	≤5.5 V		
Maximum switching frequency	AC: 25 Hz; DC: 300 Hz	AC: 25 Hz; DC: 300 Hz	AC: 25 Hz; DC: 150 Hz
Delays	First-up	20 ms	
	Response	Flush mount: ≤1.2 ms; non-flush mount: ≤1.4 ms	
	Recovery	Flush mount: ≤1.8 ms; non-flush mount: ≤3.5 ms	

[1] Also available: very low temperature models (suffix TF: -40 to +70 °C) or very high temperature models (suffix TT: -25 to +85 °C). Consult the Sensor Competency Center at 800-425-2121, option 2.
 [2] 1/2" NPT conduit Entry. For PC13, change N12 to G13. For M20, change N12 to P20.
 [3] These sensors do not incorporate overload or short-circuit protection. A 0.4 mA fast-acting fuse (XUZE04) should be connected in series with the load.