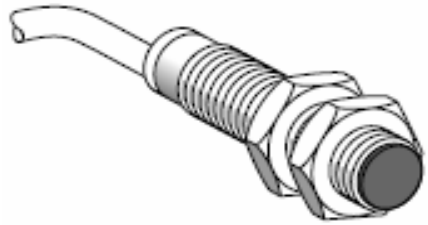
European Adaptation Centre

Schneider Electric

DATA SHEET

XS618B1PAL2TF



Inductive proximity sensors
OsiSense XS Cylindrical flush mountable,
Three wires direct current supply, solid-state output

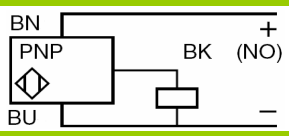
Characteristics

Format		Cylindrical threaded M18 x 1
Certifications		CE
Electrical connection		Cable
Nominal sensing distance		8 mm
Operating zone		0 to 6,4 mm
Differential travel		1 to 15% of real sensing distance
Degree of protection	Conforming to IEC 60529	IP68 double insulation
	Conforming to DIN 40050	IP69K
Storage température range		-40℃ to +85℃
Operating température range		-40℃ to +70℃
Materials	Case	Nickel plated brass
	Cable	PVR, 3 x 0,34 mm^2, length : 2 m
Vibration resistance	Conforming to IEC 60068-2-6	25gn, amplitude +/-2 mm (f= 10 to 50Hz)
Shock resistance	Conforming to IEC 60068-2-27	50gn, duration 11 ms
Indicator lights	Output state	Yellow LED annular
	Supply on	No
Rated supply voltage		12 to 48 Volts DC with protection against reverse polarity
Voltage limits (inculding ripple)		10 to 58 Volts DC
Output function		PNP NO (Normaly Open)
Switching capacity		< 200 mA with overload and short-circuit protection
Voltage drop, closed state		< 2 Volts
Current consumption, no-load		< 10 mA
Maximum switching frequency		1000 Hz
Delays	First-up	< 10 ms
	Response	< 0,3 ms
	Recovery	< 0,7 ms

Wiring scheme

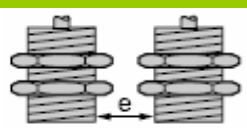
Pre-Cabled

BU : Blue
BN : Brown
BK : Black

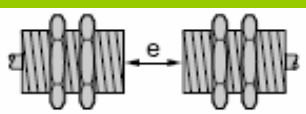


Setting-up

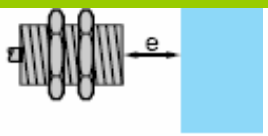
Minimum mounting distances (mm)



Side by side
e > 16 mm

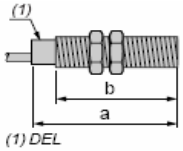


Face to face
e > 100 mm



Facing a metal object
e > 25 mm

Dimensions



a = 61,4 mm, b = 51mm

Fixing nut tightening torque < 35Nm