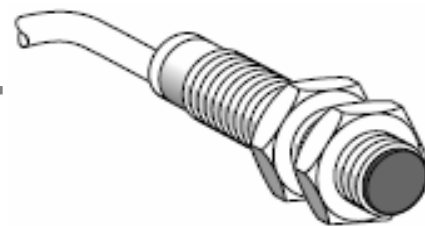




DATA SHEET

XS630B1PAL2TF



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

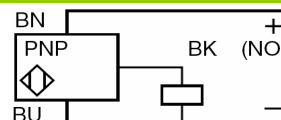
Characteristics

Format	Cylindrical threaded M30 x 1,5	
Certifications	CE	
Electrical connection	Cable	
Nominal sensing distance	15 mm	
Operating zone	0 to 12 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 temperature range	-40°C to +85°C	
Operating temperature range	-40°C to +70°C	
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 (including ripple)	10 to 58 Volts DC	
Output function	PNP NO (Normally 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	500 Hz	
Delays	First-up	< 10 ms
	Response	< 0,6 ms
	Recovery	< 1,4 ms

Wiring scheme

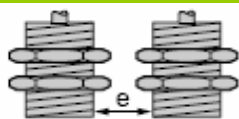
Pre-Cabled

BU : Blue
BN : Brown
BK : Black

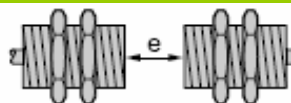


Setting-up

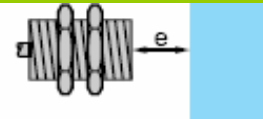
Minimum mounting distances (mm)



Side by side
 $e > 30$ mm

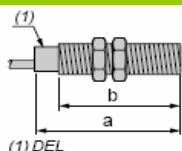


Face to face
 $e > 180$ mm



Facing a metal object
 $e > 45$ mm

Dimensions



$a = 61,5$ mm, $b = 51$ mm

Fixing nut tightening torque < 50Nm