## Product data sheet Characteristics

# XS8C1A1PAL2

inductive sensor XS8 40x40x15 - PBT - Sn25mm - 12..24VDC - cable 2m





#### Main

Range of product Series name General purpose Sensor type Inductive proximity sensor Device application - Sensor name XS8 Sensor design Flat form 40 x 40 x 15 Size 15 mm Body type Fixed Detector flush mounting acceptance Non flush mountable Material Plastic Enclosure material PBT Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance 15 mm non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Cable Cable length 2 m [Us] rated supply voltage Switch inductive proximity sensor SSS Sensor design 1 Inductive verse polarity protection Switching capacity in mA  Sensor type Inductive visions Inductive proximity sensor Inductive proximity protection Switching capacity in mA  Sensor type Inductive proximity sensor Inductive proximity proximity protection Inductive proximity proximity proximity protection Inductive proximity proximity proximity protection Inductive proximity			
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Type of output signal  Discrete  Wiring technique  3-wire  [Sn] nominal sensing distance  15 mm flush mountable 25 mm non flush mountable Discrete output function  1 NO  Output circuit type  DC  Discrete output type  PNP  Electrical connection  Cable  Cable length  2 m  [Us] rated supply voltage  1224 V DC with reverse polarity protection  Switching capacity in mA  Substitute  Switching capacity in mA  Discrete  1	Material	Plastic	inim
Wiring technique  3-wire  [Sn] nominal sensing distance  15 mm flush mountable 25 mm non flush mountable Discrete output function  1 NO  Output circuit type  DC  Discrete output type  PNP  Electrical connection  Cable  Cable length  2 m  [Us] rated supply voltage  Switching capacity in mA    Cable length   1224 V DC with reverse polarity protection  Switching capacity in mA    Cable length   1224 V DC with overload and short-circuit protection	Enclosure material	PBT	
[Sn] nominal sensing distance 15 mm flush mountable 25 mm non flush mountable Discrete output function 1 NO Output circuit type DC Discrete output type PNP Electrical connection Cable Cable length 2 m [Us] rated supply voltage 1224 V DC with reverse polarity protection Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Type of output signal	Discrete	——-j
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Cable length 2 m  [Us] rated supply voltage 1224 V DC with reverse polarity protection  Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Electrical connection	Cable	- ns
Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	Cable length	2 m	
Switching capacity in mA <= 200 mA DC with overload and short-circuit protection	[Us] rated supply voltage	1224 V DC with reverse polarity protection	—utend
	Switching capacity in mA	<= 200 mA DC with overload and short-circuit protection	ţo.
	IP degree of protection	IP68 double insulation conforming to IEC 60529	tet ion is

#### Complementary

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Detection face	Frontal	This
Front material	PBT	ain eri
Fine adjustment zone	815 mm flush mountable	

### 8...25 mm non flush mountable

Differential travel	115% of Sr
Cable composition	3 x 0.34 mm <sup>2</sup>
Wire insulation material	PvR
Supply voltage limits	1036 V DC
Residual current	<= 1.5 mA for open state
Switching frequency	<= 1000 Hz
Voltage drop	<= 2 V at closed state
Current consumption	<= 10 mA at no-load
Delay first up	<= 10 ms
Delay response	<= 0.3 ms
Delay recovery	<= 0.8 ms
Marking	CE
Depth	15 mm
Height	40 mm
Width	40 mm
Product weight	0.095 kg

### Environment

Product certifications	CSA	
	UL	
	Ecolab	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °C	
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6	
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27	

### Offer Sustainability

Sustainable offer status	Green Premium product	
RoHS (date code: YYWW)	Compliant - since 0825 - Schneider Electric declaration of conformity	
	Schneider Electric declaration of conformity	
REACh	Reference not containing SVHC above the threshold	
	Reference not containing SVHC above the threshold	
Product environmental profile	Available	
	Product environmental	
Product end of life instructions	Need no specific recycling operations	
	☑ End of life manual	

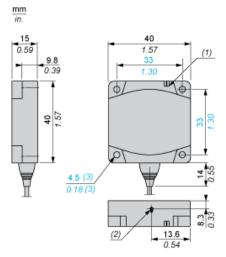
### Contractual warranty

Warranty period	18 months

## Product data sheet **Dimensions Drawings**

# XS8C1A1PAL2

### **Dimensions**



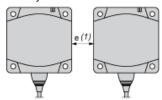
- LED
- (1) (2) (3) Teach mode button For CHC type screws

# XS8C1A1PAL2

### Setting-up

### Minimum Mounting Distances (mm)

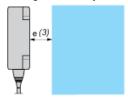
Side by Side



Face to Face



Facing a Metal Object



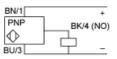
	e (1)	e (2)	e (3)
Flush mounted	60	120	15
Not flush mounted	125	250	

## Product data sheet Connections and Schema

# XS8C1A1PAL2

## Wiring Schemes

### PNP



BU: Blue BN: Brown BK: Black