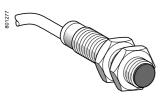
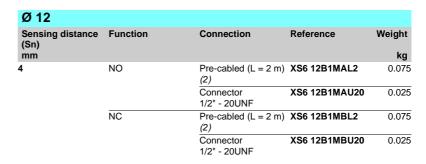
Inductive proximity sensors

Osiprox® Universal Cylindrical, flush mountable Two-wire, a.c. or d.c. supply (1)



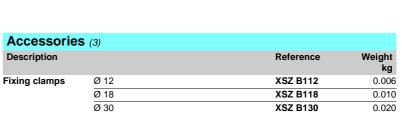
XS6 ••B1M•L2





Ø 18		0	D. (10/. 1 /
Sensing distance (Sn) mm	Function	Connection	Reference	Weight kg
8	NO	Pre-cabled (L = 2 m) (2)	XS6 18B1MAL2	0.120
		Connector 1/2" - 20UNF	XS6 18B1MAU20	0.060
	NC	Pre-cabled (L = 2 m) (2)	XS6 18B1MBL2	0.120
		Connector 1/2" - 20UNF	XS6 18B1MBU20	0.060

Ø 30				
Sensing distance (Sn) mm	Function	Connection	Reference	Weight kg
15	NO	Pre-cabled (L = 2 m) (2)	XS6 30B1MAL2	0.205
		Connector 1/2" - 20UNF	XS6 30B1MAU20	0.145
	NC	Pre-cabled (L = 2 m) (2)	XS6 30B1MBL2	0.205
		Connector 1/2" - 20UNF	XS6 30B1MBU20	0.145





⁽²⁾ For a 5 m long cable, replace L2 with L5, and for a 10 m long cable, replace L2 with L10. Example: XS6 12B1MAL2 becomes XS6 12B1MAL5 with a 5 m long cable.



⁽³⁾ For further information, see page 37317/2.

Characteristics, schemes, setting-up, dimensions

Inductive proximity sensors

Osiprox® Universal Cylindrical, flush mountable Two-wire, a.c. or d.c. supply

Sensor type			XS6 eeB1MeU20	XS6 eeB1MeL2
Product certifications			UL, CSA, C€	<u> </u>
Connection	Connector		1/2" - 20 UNF	-
	Pre-cabled		_	Length: 2 m
Operating zone	Ø 12	mm	03.2	
	Ø 18	mm	06.4	
	Ø 30	mm	012	
Differential travel		%	115 of real sensing distance (Sr)	
Degree of protection	Conforming to IEC 60529		IP 67	IP 68 double insulation □
Storage temperature range		°C	- 40+ 85	
Operating temperature	range	°C	- 25+ 70	
Materials	Case		Nickel plated brass	
	Pre-cabled		PvR 2 x 0.34 mm ² :	
Vibration resistance	Conforming to IEC 60068-2-6		25 gn, amplitude ± 2 mm (f = 10 to 55 Hz)	
Shock resistance	Conforming to IEC 60068-2-27		50 gn, duration 11 ms	
Output state indication			LED (yellow): 4 viewing ports at 90°	LED (yellow): annular
Rated supply voltage		٧	\sim or == 24240 (\sim 50/60 Hz)	
Voltage limits (including ripple)		٧	∼ or == 20264	
Switching capacity	XS6 12B1M●●●	mA	5200 (1)	
	XS6 18B1Meee, XS6 30B1Meee	mΑ	∼ 5300 or <u></u> 5200 <i>(1)</i>	
Voltage drop, closed sta	ate	٧	≤ 5.5	
Residual current, open	state	mΑ	≤0.8	
Maximum switching	XS6 12B2•••,XS6 18B1M•••	Hz	\sim 25 or $=$ 1000	
frequency	XS6 30B1Meee	Hz	\sim 25 or $=$ 500	
Delays	First-up	ms	≤ 20 XS6 12B1Meee, ≤ 25 XS6 18B1Meee and XS6 30B1Meee	
	Response	ms	≤ 0.5	
	Recovery	ms	≤ 0.2 XS6 12B1Meee, ≤ 0.5 XS6 18B1Meee, ≤ 2 XS6 30B1Meee	

Wiring scheme

Connector 1/2" - 20 UNF

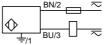


+/-:2 <u>+</u>:1 +/-:3

Pre-cabled

BU: Blue BN: Brown



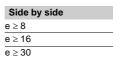


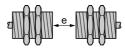
≟: on connector models only

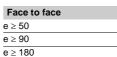
See connection on page 30210/3. Setting-up

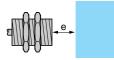
Minimum mounting distances (mm)







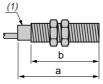




Facing a metal object $e \ge 12$ $e \ge 25$ $e \ge 45$

Dimensions

XS6



(1) LED

XS6					
Ø 12					
Ø 18					
Ø 30					

Ø 12

Ø 18

Ø 30

Pre-cabled (mm)		Connector (mm)		
а	b	а	b	
50	42	61	42	
60	51	72.2	51	
60	51	72.2	51	