

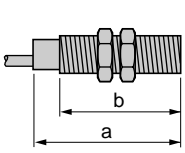
Inductive proximity sensors

Cylindrical type, M30 x 1.5 threaded
Metal case (brass), form A
a.c. or d.c. supply

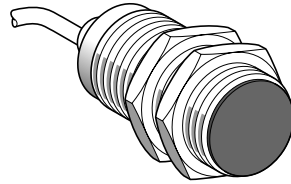
Accessories :
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References, characteristics, dimensions, schemes

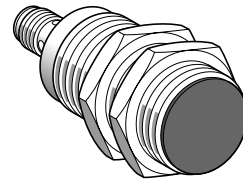
Flush mountable in metal



Lengths (mm) :
a = Overall
b = Threaded section



a = 60
b = 51.5



a = 70
b = 51.5

AC/DC

AC/DC

Nominal sensing distance (S_n)

10 mm

10 mm

References

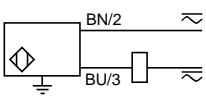
2-wire ~ or ---	NO	XS1-M30MA230	XS1-M30MA230K
	NC	XS1-M30MB230	XS1-M30MB230K
2-wire ~ or --- (protected against short-circuits)	NO	XS1-M30MA250	XS1-M30MA250K
	NC	XS1-M30MB250	XS1-M30MB250K
2-wire ~	NO	–	–
	NC	–	–
Weight (kg)		0.205	0.145

Characteristics

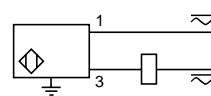
Connection	Pre-cabled, 2 x 0.5 mm², length 2 m (1)	Connector (types 13 and 14) (2)
Degree of protection	IP 68	Depending on connector (see page 3/5)
Operating zone	0...8 mm	
Repeat accuracy	3 % of S _r	
Differential travel	1...15 % of S _r	
Operating temperature	- 25...+ 80 °C	
Output state indication	non protected model protected model	LED, annular 1 red LED (output state), 1 green LED (supply & s/c indic.)
		LED, 4 viewing ports at 90° LED, 4 viewing ports at 90°
Rated supply voltage	~ 24...240 V (50/60 Hz) or --- 24...210 V	
Voltage limits (including ripple)	~ or --- 20...264 V	
Switching capacity	(~) 5...300 mA or (---) 5...200 mA (3)	
Voltage drop, closed state	≤ 5.5 V	
Residual current, non protected model	≤ 0.8 mA / 24 V or ≤ 1.5 mA / 120 V	
open state, protected model	≤ 1.5 mA	
Current consumption, no-load	–	
Maximum switching frequency	(~) 25 Hz or (---) 100 Hz	
Delays	First-up : ≤ 40 or ≤ 70 ms (models with short-circuit protection) ; response : ≤ 2 ms ; recovery : ≤ 5 ms	

Wiring schemes

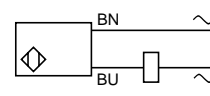
2-wire ~ or ---, NO or NC output
XS1-M30M●230/250/230K/250K



XS1-M30M●2●0A



2-wire ~, NO or NC output
XS1-M30F●260



⊥ For connector version sensors

(1) Sensors pre-cabled with other cable lengths :

Length of cable	Suffix to be added to references stated above for 2 m pre-cabled sensors	Weight increase
5 m	L1	0.120 kg
10 m	L2	0.320 kg

Example : sensor **XS1-M30MA230** with 5 m cable becomes **XS1-M30MA230L1**

(2) The type numbers refer to suitable female extension cables, see pages 3/5 and 3/6.

(3) For the sensors not incorporating overload or short-circuit protection, it is recommended that a 0.8 A "quick-blow" fuse be connected in series with the load. See page 3/0.