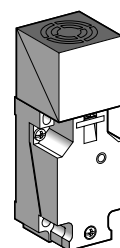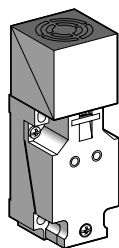# Inductive proximity sensors

Plug-in block form C (41 x 40 x 117 mm), plastic, type XS8
5 position turret head
d.c. supply

References, characteristics

Non flush mountable in metal

Nominal sensing distance (Sn)	20 mm	Increased range model 40 mm	20 mm

References

4-wire ⎓ (complementary outputs)	PNP	NO + NC	**XS8-C40PC440**	**XS8-C40PC449**	–
	NPN	NO + NC	**XS8-C40NC440**	**XS8-C40NC449**	–
2-wire ⎓ (non polarised)	NO		–	–	**XS8-C40DA210**
	NO or NC programmable		–	–	**XS8-C40DP210**
Weight (kg)			0.220	0.220	0.220

Characteristics

Connection	**Screw terminals, capacity : 2 or 4 x 1.5 mm² (1)**		
Degree of protection	IP 67		
Operating zone	**0…16 mm**	**0…32 mm**	**0…16 mm**
Approvals	UL, CSA pending		
Repeat accuracy	≤ 3 % of Sr		
Differential travel	3…20 % of Sr		
Operating temperature	- 25…+ 70 °C		
Supply/output state indication	Output LED + Supply LED		Output LED
Rated supply voltage	**⎓ 12…48 V**		
Voltage limits (including ripple)	⎓ 10…58 V		
Switching capacity (with overload and short-circuit protection)	**0…200 mA**		**1.5…100 mA**
Voltage drop, closed state	≤ 2 V		≤ 5.2 V
Residual current, open state	–		≤ 0.7 mA
Current consumption, no-load	≤ 10 mA		–
Maximum switching frequency	1000 Hz	500 Hz	100 Hz
Delays first-up	≤ 5 ms	≤ 5 ms	≤ 5 ms
response	≤ 0.3 ms	< 1 ms	≤ 2 ms
recovery	≤ 0.7 ms	< 1 ms	≤ 7 ms

(1) Sensor supplied without cable gland. For suitable n° 13 plastic cable gland (XSZ-PE13), see page 3/0.
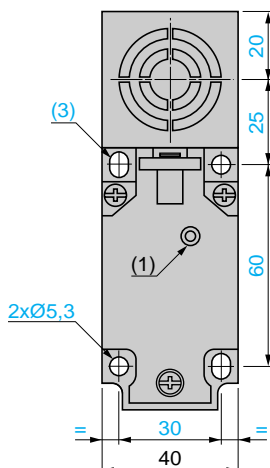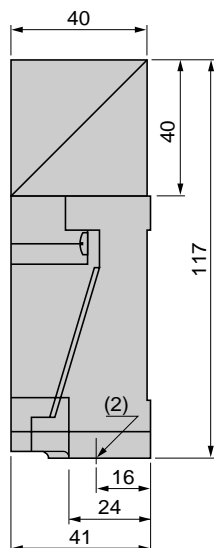
Telemecanique

Inductive proximity sensors

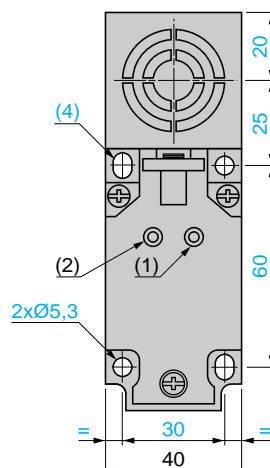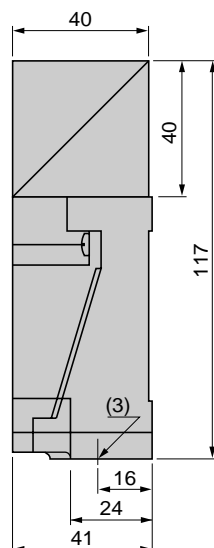Plug-in block form C (41 x 40 x 117 mm), plastic, type XS8
5 position turret head
d.c. supply

Dimensions, setting-up, schemes

Dimensions

XS8-C40D●210

(1) Output LED
(2) 1 tapped entry for n° 13 plastic cable gland
(3) 2 elongated holes Ø 5.3 x 7

XS8-C40●C44●

(1) Output LED
(2) Supply LED
(3) 1 tapped entry for n° 13 plastic cable gland
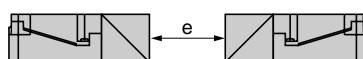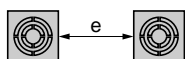(4) 2 elongated holes Ø 5.3 x 7

Setting-up

Minimum mounting distances (mm)

	Side by side	Face to face	Facing a metal object and mounting in a metal support.

Refer to "Mechanical installation" for block type proximity sensors mounted in the vicinity of metal masses, page 4/8.

	Side by side	Face to face
XS8 non flush mountable in metal	e ≥ 80	e ≥ 160
XS8 increased range models	e ≥ 160	e ≥ 320

Wiring schemes

2-wire ⎓ (non polarised)
NO or NC output
depending on position of link

4-wire ⎓
NO + NC output