

Inductive proximity sensors

XS range, general purpose

Cubic case, 40 x 40 x 70 mm, M12 or 1/2"-20UNF connector

5 position turret head

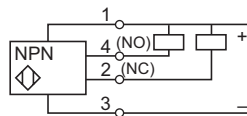
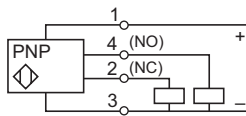
Setting-up precautions

Minimum mounting distances (mm)

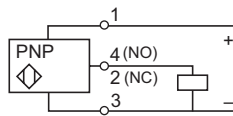
		Side by side	Face to face	Facing a metal object
Sensors flush mountable in metal	XS7C2A1●●	$e \geq 60$	$e \geq 120$	$e \geq 45$
	XS8C2A1●●	$e \geq 80$	$e \geq 160$	$e \geq 60$
Sensors non flush mountable in metal	XS8C2A4●●	$e \geq 160$	$e \geq 320$	$e \geq 120$

Wiring schemes

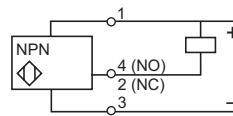
4-wire ---, NO + NC outputs



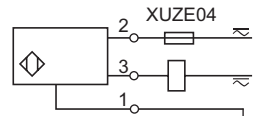
3-wire, PNP



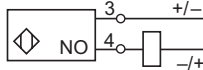
3-wire, NPN



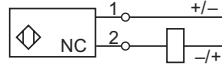
2-wire, 1/2"-20UNF



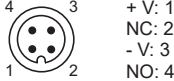
2-wire ---, NO output
(M12 connector)



2-wire ---, NC output
(M12 connector)



M12 connector



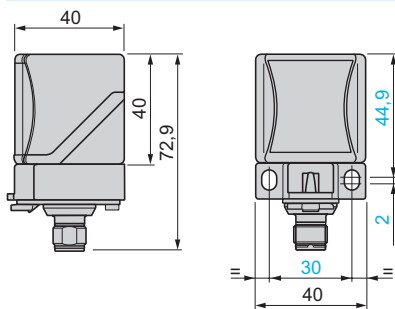
1/2"-20UNF connector



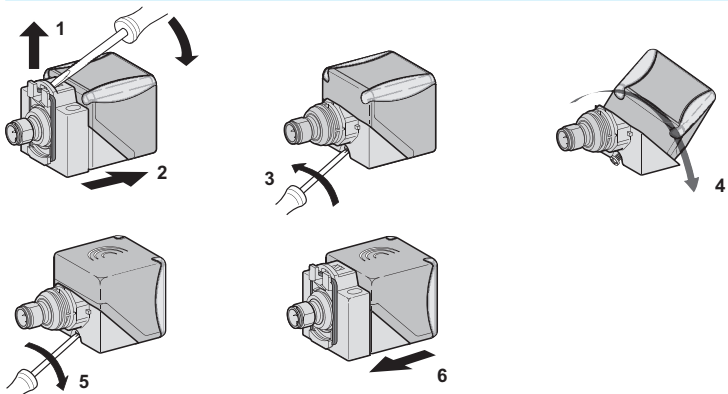
Accessory references

Description	Type	Length m	Reference	Weight kg
Pre-wired M12 connectors Female, 4-pin, zinc die-cast, nickel plated clamping ring	Straight	2	XZCP1141L2	0.090
		5	XZCP1141L5	0.190
		10	XZCP1141L10	0.370
	Elbowed	2	XZCP1241L2	0.090
		5	XZCP1241L5	0.190
		10	XZCP1241L10	0.370
Pre-wired 1/2"-20UNF connectors Female, 3-pin, zinc die-cast, nickel plated clamping ring	Straight	5	XZCP1865L5	0.180
		10	XZCP1865L10	0.350
		10	XZCP1865L10	0.350
	Elbowed	5	XZCP1965L5	0.180
		10	XZCP1965L10	0.350
		10	XZCP1965L10	0.350

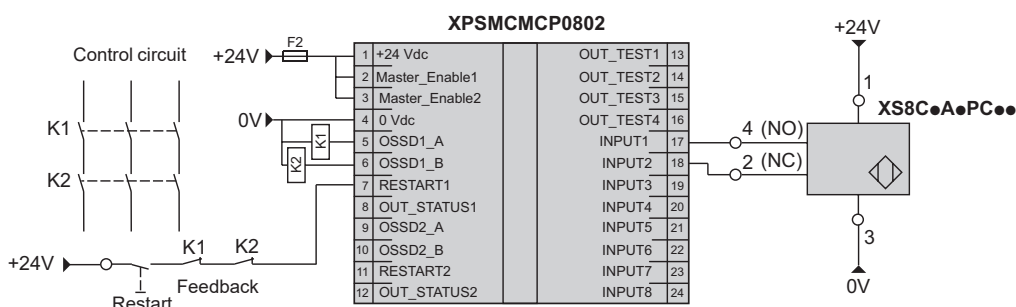
Dimensions



Head positions



Example SIL 2 wiring scheme (with XPSMCMCP0802 safety PLC)



SFF (Safe Failure Fraction): 92,68 %
DC (Diagnosis Coverage): 75,8 %