



Non-flush mountable



Flush mountable



	Flush standard and increased range			
	M8		M12	
Nominal sensing distance S_n	1.5 mm	2.5 mm	2 mm	4 mm
Usable sensing distance S (mm) flush mountable / non-flush mountable	0 to 1.2	0 to 2	0 to 1.6	0 to 3.2
Temperature range	-13 to +158 °F (-25 to +70 °C)			
Product certification	CE, UL, CSA, CCC (in progress), C-TICK			
Degree of protection (conforming to IEC 60529)	IP67		precabled: IP69K conforming to DIN 40050, IP68	

Sensors for DC applications

Output function	NO		A	A	A	A
	NC		B	B	B	B
Dimensions Ø x L Cable / Connector: mm (in.)	M8 x 33 (1.30) / M8 x 42 (1.65)			M12 x 35 (1.38) / M12 x 50 (1.97)		
3-wire	PNP	Cable (2 m)	XS508B1PAL2	XS108B3PAL2	XS512B1PAL2	XS112B3PAL2
		Connector M8 / M12	XS508B1PAM8	XS108B3PAM8	XS512B1PAM12	XS112B3PAM12
	NPN	Cable (2 m)	XS508B1NAL2	XS108B3NAL2	XS512B1NAL2	XS112B3NAL2
		Connector M8 / M12	XS508B1NAM8	XS108B3NAM8	XS512B1NAM12	XS112B3NAM12
2-wire non polarized (1)	Cable (2 m)	XS508BSCAL2	XS608B3CAL2	XS512BSDAL2	XS612B3DAL2	
	Connector M12	XS508BSCAL01M12	XS608B3CAL01M12	XS512BSDAM12	XS612B3DAM12	
Supply voltage limits, min./max. (V) including ripple	10 to 36		10 to 36		10 to 36	
Switching capacity, max. (mA) 3-wire / 2-wire	200 / 100		200 / 100		200 / 100	
Overload and short-circuit protection (★) / LED output state indicator (⊗)	★ / ⊗		★ / ⊗		★ / ⊗	
Residual current, open state (mA)	≤ 0.5		≤ 0.5		≤ 0.5	
Voltage drop, closed state (V) at I nominal 3-wire / 2-wire	≤ 2 / ≤ 4		≤ 2 / ≤ 4		≤ 2 / ≤ 4	
Switching frequency (Hz) 3-wire / 2-wire	5000 / 4000		2500 / 3000		5000 / 4000	
Dimensions Ø x L Cable / Connector: mm (in.)	M8 x 51 (2.01) / M8 x 62 (2.44)			M12 x 53 (2.09) / M12 x 62 (2.44)		
3-wire	PNP	Cable (2 m)	XS508BLPAL2	XS608B1PAL2	XS512BLPAL2	XS612B1PAL2
		Connector M12	XS508BLPAM12	XS608B1PAM12	XS512BLPAM12	XS612B1PAM12
	NPN	Cable (2 m)	XS508BLNAL2	XS608B1NAL2	XS512BLNAL2	XS612B1NAL2
		Connector M12	XS508BLNAM12	XS608B1NAM12	XS512BLNAM12	XS612B1NAM12
2-wire non polarized	Cable (2 m)	XS508B1DAL2	XS608B1DAL2	XS512B1DAL2	XS612B1DAL2	
	Connector M12	XS508B1DAM12	XS608B1DAM12	XS512B1DAM12	XS612B1DAM12	
Supply voltage limits, min./max. (V) including ripple	10 to 58		10 to 58		10 to 58	
Switching capacity, max. (mA) 3-wire / 2-wire	200 / 100		200 / 100		200 / 100	
Overload and short-circuit protection (★) / LED output state indicator (⊗)	★ / ⊗		★ / ⊗		★ / ⊗	
Residual current, open state (mA) 2-wire	≤ 0.5		≤ 0.5		≤ 0.5	
Voltage drop, closed state (V) at I nominal 3-wire / 2-wire	≤ 2 / ≤ 4		≤ 2 / ≤ 4		≤ 2 / ≤ 4	
Switching frequency (Hz) 3-wire / 2-wire	5000 / 4000		2500 / 3000		5000 / 4000	

Multi-current/multi-voltage sensors for AC/DC applications

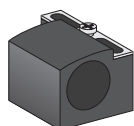
Dimensions Ø x L Cable / Connector: mm (in.)	-	-	M12 x 53 (2.09) / M12 x 62 (2.44)
2-wire	Cable (2 m)	-	XS512B1MAL2 XS612B1MAL2
	Connector 1/2"-20 UNF	-	XS512B1MAU20 XS612B1MAU20
Supply voltage limits, min./max. (V) including ripple	-	-	20 to 264 20 to 264
Switching capacity, max. (mA)	-	-	200 200
LED output state indicator (⊗)	-	-	⊗ ⊗
Residual current, open state (mA)	-	-	≤ 0.8 ≤ 0.8
Voltage drop, closed state (V) at I nominal	-	-	≤ 5.5 ≤ 5.5
Switching frequency (Hz)	-	-	25 AC / 1000 DC 25 AC / 1000 DC

(1) polarized for M8 short

Accessories

Mounting for cylindrical sensors

Mounting clamp with indexing pin for cylindrical sensors.



M8	XSZB108
M12	XSZB112
M18	XSZB118
M30	XSZB130

Suitable female plug-in connectors

M8	Straight	Elbowed
Metal ring	XZCC8FDM30S	XZCC8FCM30S
M12 (4 pin)		
Metal ring	XZCC12FDM40B	XZCC12FCM40B
Plastic ring	XZCC12FDP40B	XZCC12FCP40B



M18				M30		Non-flush increased range		
5 mm		8 mm		10 mm	15 mm	M12	M18	M30
0 to 4		0 to 6.4		0 to 8	0 to 12	0 to 5.6	0 to 9.6	0 to 17.6
-13 to +158 °F (-25 to +70 °C)						- 25 to + 70		
CE, UL, CSA, CCC (in progress), C-TICK						CE, UL, CSA, CCC (in progress), C-TICK		
(with connector: IP67)						precabled: IP69K conforming to DIN 40050, IP68 (with connector: IP67)		

A		A		A		A		A		A			
B		B		B		B		B		B			
M18 x 39 (1.54) / M18 x 50 (1.97)				M30 x 43 (1.69) / M30 x 55 (2.17)				-		-			
XS518B1PAL2		XS118B3PAL2		XS530B1PAL2		XS130B3PAL2		-		-			
XS518B1PAM12		XS118B3PAM12		XS530B1PAM12		XS130B3PAM12		-		-			
XS518B1NAL2		XS118B3NAL2		XS530B1NAL2		XS130B3NAL2		-		-			
XS518B1NAM12		XS118B3NAM12		XS530B1NAM12		XS130B3NAM12		-		-			
XS518BSDAL2		XS618B3DAL2		XS530BSDAL2		XS630B3DAL2		-		-			
XS518BSDAM12		XS618B3DAM12		XS530BSDAM12		XS630B3DAM12		-		-			
10 to 36		10 to 36		10 to 36		10 to 36		-		-			
200 / 100		200 / 100		200 / 100		200 / 100		-		-			
★ / ⊗		★ / ⊗		★ / ⊗		★ / ⊗		-		-			
≤ 0.5		≤ 0.5		≤ 0.5		≤ 0.5		-		-			
≤ 2 / ≤ 4		≤ 2 / ≤ 4		≤ 2 / ≤ 4		≤ 2 / ≤ 4		-		-			
2000 / 3000		1000 / 1000		1000 / 2000		500 / 500		-		-			
M18 x 62 (2.44) / M18 x 74 (2.91)				M30 x 62 (2.44)				M12 x 55 (2.17) / M12 x 65 (2.56)		M18 x 62 (2.44) / M18 x 74 (2.91)		M30 x 62 (2.44) / M30 x 74 (2.91)	
XS518BLPAL2		XS618B1PAL2		XS530BLPAL2		XS630B1PAL2		XS612B4PAL2		XS618B4PAL2		XS630B4PAL2	
XS518BLPAM12		XS618B1PAM12		XS530BLPAM12		XS630B1PAM12		XS612B4PAM12		XS618B4PAM12		XS630B4PAM12	
XS518BLNAL2		XS618B1NAL2		XS530BLNAL2		XS630B1NAL2		XS612B4NAL2		XS618B4NAL2		XS630B4NAL2	
XS518BLNAM12		XS618B1NAM12		XS530BLNAM12		XS630B1NAM12		XS612B4NAM12		XS618B4NAM12		XS630B4NAM12	
XS518B1DAL2		XS618B1DAL2		XS530B1DAL2		XS630B1DAL2		-		-		-	
XS518B1DAM12		XS618B1DAM12		XS530B1DAM12		XS630B1DAM12		-		-		-	
10 to 58		10 to 58		10 to 58		10 to 58		10 to 58		10 to 58		10 to 58	
200 / 100		200 / 100		200 / 100		200 / 100		200 / -		200 / -		200 / -	
★ / ⊗		★ / ⊗		★ / ⊗		★ / ⊗		★ / ⊗		★ / ⊗		★ / ⊗	
≤ 0.5		≤ 0.5		≤ 0.5		≤ 0.5		-		-		-	
≤ 2 / ≤ 4		≤ 2 / ≤ 4		≤ 2 / ≤ 4		≤ 2 / ≤ 4		≤ 2 / -		≤ 2 / -		≤ 2 / -	
2000 / 3000		1000 / 1000		1000 / 2000		500 / 500		2500 / -		1000 / -		500 / -	

M18 x 62 (2.44) / M18 x 73 (2.87)				M30 x 62 (2.44) / M30 x 73 (2.87)				-		M18 x 60 (2.36) / M18 x 72 (2.84)		M30 x 63 (2.48) / M30 x 74 (2.91)	
XS518B1MAL2		XS618B1MAL2		XS530B1MAL2		XS630B1MAL2		-		XS618B4MAL2		XS630B4MAL2	
XS518B1MAU20		XS618B1MAU20		XS530B1MAU20		XS630B1MAU20		-		XS618B4MAU20		XS630B4MAU20	
20 to 264		20 to 264		20 to 264		20 to 264		-		20 to 264		20 to 264	
300 AC / 200 DC		300 AC / 200 DC		300 AC / 200 DC		300 AC / 200 DC		-		300 AC / 200 DC		300 AC / 200 DC	
⊗		⊗		⊗		⊗		-		⊗		⊗	
≤ 0.8		≤ 0.8		≤ 0.8		≤ 0.8		-		≤ 0.8		≤ 0.8	
≤ 5.5		≤ 5.5		≤ 5.5		≤ 5.5		-		≤ 5.5		≤ 5.5	
25 AC / 1000 DC		25 AC / 1000 DC		25 AC / 500 DC		25 AC / 500 DC		-		25 AC / 1000 DC		25 AC / 300 DC	

PUR prewired connectors (1)

M8 (3 pin)

1/2"

M12 (4 pin)



Straight

Elbowed

	Straight		Elbowed		Straight		Elbowed		Elbowed PNP LED		
2 m	XZCP0566L2	XZCP0666L2	2 m	XZCP1865L2	XZCP1965L2	2 m	XZCP1141L2	XZCP1241L2	XZCP1340L2		
5 m	XZCP0566L5	XZCP0666L5	5 m	XZCP1865L5	XZCP1965L5	5 m	XZCP1141L5	XZCP1241L5	XZCP1340L5		
10 m	XZCP0566L10	XZCP0666L10	10 m	XZCP1865L10	XZCP1965L10	10 m	XZCP1141L10	XZCP1241L10	XZCP1340L10		

(1) For other cable options see page 53.