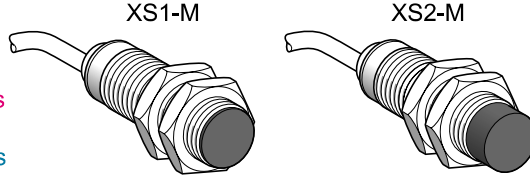


# XS1-M / XS2-M



Inductive proximity sensors  
 Détecteurs de proximité inductifs  
 Induktive Näherungsschalter  
 Detectores de proximidad inductivos  
 Interruttori di prossimità induttivi  
 Detectores de proximidade indutivos



**UL Listing and CE Certification :**  
 Applicable on proximity switches bearing the UL and CSA marks only.  
 Enclosure : Type 12, 4X indoor use only  
**Overcurrent protection \***

Conductor size AWG	mm <sup>2</sup>	Maximum Ampere rating
20	0.5	5
22	0.34	3
24	0.22	2
26	0.11	1
28	0.08	0.8

\* Required on product references with termination number 230 - 8 mm plastic units shall be installed with mounting clamp type XSZ-B. For connector version, a suitable UL and CSA Approved connector must be used

**⚠ DANGER / PELIGRO / DANGER**

<b>HAZARDOUS VOLTAGE</b> Disconnect all power before servicing equipment. Electric shock will result in death or serious injury.	<b>TENSION PELIGROSA</b> Desenergice el equipo antes de realizarle servicio. Una descarga eléctrica podrá causar la muerte o lesiones serias.	<b>TENSION DANGEREUSE</b> Couper l'alimentation avant de travailler sur cet appareil. Une électrocution entrainera la mort ou des blessures graves.
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**Mechanical installation**  
 Mise en œuvre mécanique  
 Mechanische Installation  
 Instalación mecánica  
 Messa in opera meccanica  
 Instalação mecânica

\* Increased range model  
 Portée augmentée  
 Erhöhter Schaltabstand  
 Alcance aumentado  
 Portata maggiorata  
 Alcance aumentado

(mm)	Sn	XS•-M			XS•-M•••••D/K/A/B/C/G/T							S		T (Nm)		e1 ≥	e2 ≥	e3 ≥	d1 ≥	h ≥	x
		a	b	c	D/K	A	B	C	G	T	S	T (Nm)									
M8x1	1,5	50	40	-	61	-	-	-	-	-	-	13	5	3	18	4,5	8	0	0	0	
M12x1	2/*4	50	42	-	61	-	-	-	-	-	-	17	15	4/*8	24/*48	6/*12	12	0	0	0	
M18x1	5/*10	60	51,5	-	70	75	106	74	75	95	24	35	10/*20	60/*120	15/*30	18/*28	0/*1,8	0/*1,8	0/*1,8		
M30x1,5	10/*20	60	51,5	-	70	75	106	71	75	87	36	50	20/*40	120/*240	30/*60	30/*50	0/*6	0/*6	0/*6		
M8x1	2,5	50	36	4	61	-	-	-	-	-	13	5	10	30	7,5	24	5	-	-		
M12x1	4	50	37	5	61	-	-	-	-	-	17	15	16	48	12	36	8	-	-		
M18x1	8	60	43,5	8	70	75	106	74	75	95	24	35	32	96	24	54	16	-	-		
M30x1,5	15	60	38,5	13	70	75	106	71	75	87	36	50	60	180	45	90	30	-	-		

**Electrical installation**  
 Mise en œuvre électrique  
 Elektrische Installation  
 Instalación eléctrica  
 Messa in opera elettrica  
 Instalação elétrica

<p><b>XS•-M••P•37•</b></p>	<p><b>XS•-M••KP340/KPM40</b></p>	<p><b>XS•-M••DA210/211/214</b></p>	<p><b>XS•-M••M•230*/239*</b></p>	<p><b>XS•-M••M•250</b></p>
<p><b>XS•-M••N•37•</b></p>	<p><b>XS•-M••DB210/211</b></p>	<p>* Without short circuit protection                  Non protégés court-circuit                  Ohne Kurzschlußschutz                  No protección cortocircuito                  Non protetto corto-circuito                  Não protecção curto-circuito</p>		

Voltage limits (1)	≡ 10...58 V	≡ 10...38 V	≡ 10...58 V	≈ 20...264 V
Load switching capacity (2)	0...200 mA	0...200 mA	1,5...100 mA	Ø8: 5...100, Ø12: 5...200, Ø18/30: 5...200 ≡ /5...300 ~
Voltage drop (3)	≤ 2 V	≤ 2,6 V	≤ 4 V	≤ 5 V
Leakage current (4)	-	-	≤ 0,5 mA	≤ 1,5 mA(M•250), ≤ 0,6 mA(M•230), ≤ 0,8 mA(M•239)
Current consumption (5)	≤ 10 mA	≤ 10 mA, ≤ 15 mA (KPM)	-	-

- (1) Limite de tension / Betriebsspannung / Límites de tensión / Limiti di tensione / Limites de tensão
- (2) Courant commuté / Schaltstrom / Intensidad conmutada / Corrente comuta / Corrente comutada
- (3) Tension de déchet / Spannungsfall (Ausgang durchgesteuert) / Tensión residual / Caduta di tensione / Tensão de defeito
- (4) Courant résiduel / Reststrom (Ausgang gesperrt) / Intensidad residual / Corrente residual / Corrente residual
- (5) Courant consommé / Leerlaufstrom / Intensidad consumida / Corrente consumata / Corrente consumida

<b>BN</b>	Brown	Brun	Braun	Marrón	Marron	Castanho
<b>BU</b>	Blue	Bleu	Blau	Azul	Blu	Azul
<b>BK</b>	Black	Noir	Schwarz	Negro	Nero	Preto
<b>WH</b>	White	Blanc	Weiß	Blanco	Bianco	Branco
<b>RD</b>	Red	Rouge	Rot	Rojo	Rosso	Vermelho
<b>GN</b>	Green	Vert	Grün	Verde	Verde	Verde

**Installation precautions**  
 Précautions de mise en œuvre  
 Vorsicht bei der Inbetriebnahme  
 Precaución de instalación  
 Consigli di messa in opera  
 Precaução de instalação

**Indication**  
 Signalisation  
 Funktionsanzeige  
 Señalización  
 Segnalazione

<b>XS•-M••</b>	NO	NC	NO	NC	RD	GN	RD	GN
<b>XS•-M••M•250</b>	NO	NC	NO	NC	RD	GN	RD	GN

Disconnect when short circuit  
 Débrancher sur court-circuit  
 Bei Kurzschluß abschalten

# XZ-CP / XZ-CC



Machine cabling accessories

Constituants de câblage machine

Zubehör für Maschinen-Anschlußtechnik

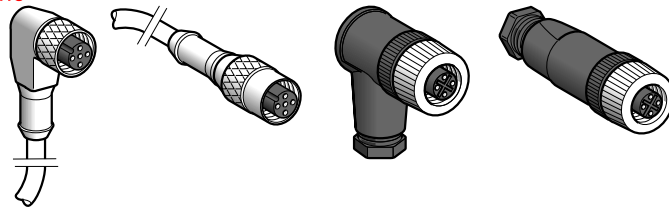
Contituyentes de conexionado

Accessori di cablaggio

Constituintes de cablagem

XS-M.....D/LD

XS-M.....K



Dimensions

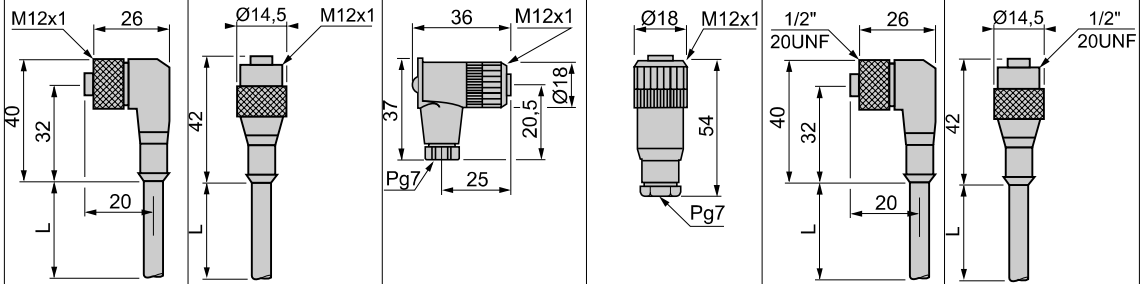
Encombremnts

Abmessungen

Dimensiones

Dimensioni d'ingombro

Altravancamentos



PvR L = 2 m.

XZ-CP1241L2

XZ-CP1141L2

-

-

XZ-CP1965L2

XZ-CP1865L2

PvR L = 5 m.

XZ-CP1241L5

XZ-CP1141L5

-

-

XZ-CP1965L5

XZ-CP1865L5

7P (Pg7)

-

-

XZ-CC12FCM40B

XZ-CC12FDM40B

-

Connection schemes

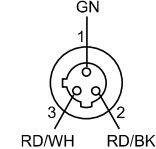
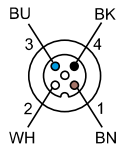
Schémas de raccordement

Anschlußpläne

Esquemas de conexión

Schemi di collegamento

Esquemas de ligação

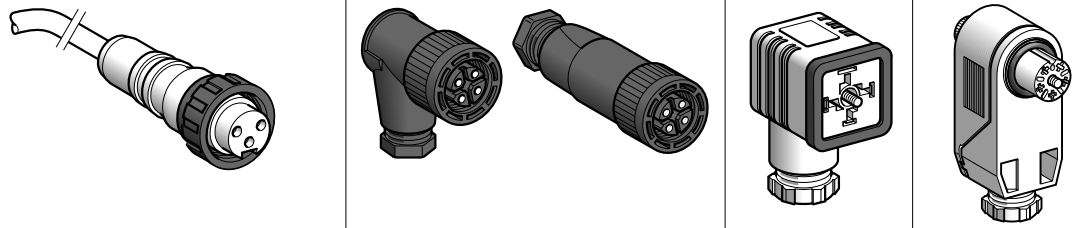


XS-M.....A

XS-M.....G

XS-M.....C

XS-M.....T



Dimensions

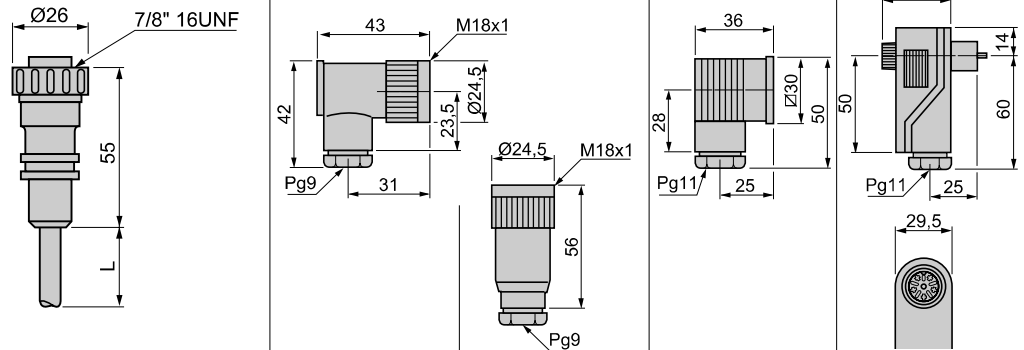
Encombremnts

Abmessungen

Dimensiones

Dimensioni d'ingombro

Altravancamentos



PvR L = 2 m.

XZ-CP1662L2

XZ-CP1670L2

-

-

-

-

PvR L = 5 m.

XZ-CP1662L5

XZ-CP1670L5

-

-

-

-

9P (Pg9)

-

-

XZ-CC18FCP40B

XZ-CC18FDP40B

-

-

11P (Pg11)

-

-

-

-

XZ-CC43FCP40B

XZ-CC51FCP50B

Connection schemes

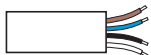
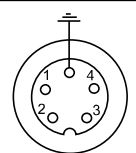
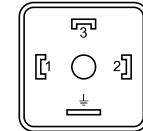
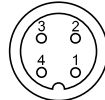
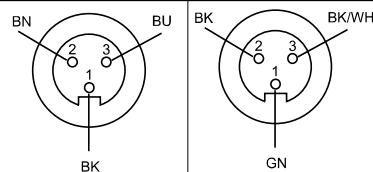
Schémas de raccordement

Anschlußpläne

Esquemas de conexión

Schemi di collegamento

Esquemas de ligação



BN	Brown	Brun	Braun	Marrón	Marron	Castanho
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RD	Red	Rouge	Rot	Rojo	Rosso	Vermelho
GN	Green	Vert	Grün	Verde	Verde	Verde

Saddle clamps / Brides de fixation

Klemmbefestigungsblock / Brides de fijación



Ø 8

Ø 12

Ø 18

Ø 30