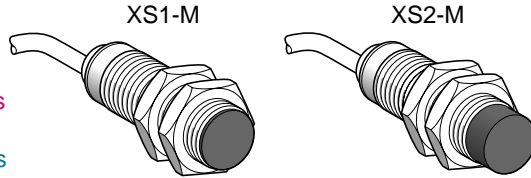


# XS1-M / XS2-M



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

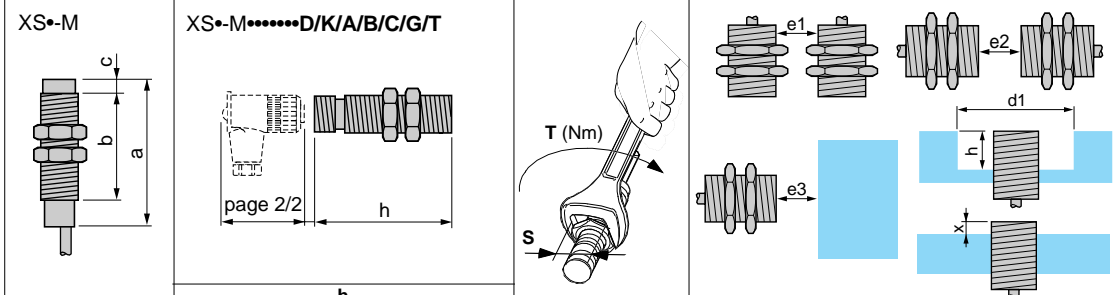
\* Required on product references with termination number 230 - 8 mm plastic units shall be installed with mounting clamp type XSZ-B. For connector version, a suitable UL and CSA Approved connector must be used

**⚠ 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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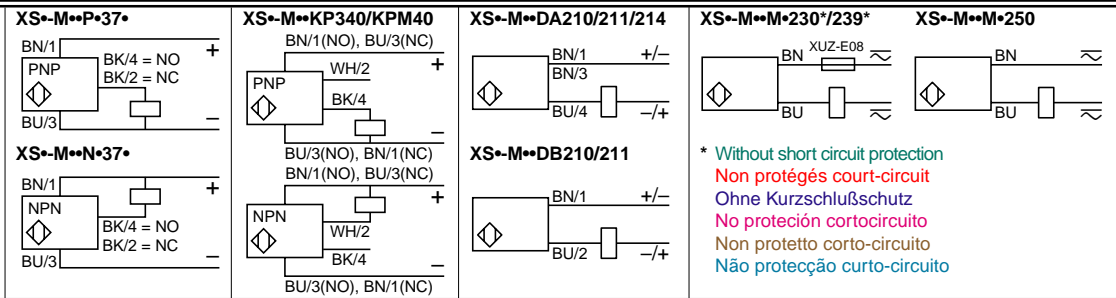
**Mechanical installation**  
 Mise en œuvre mécanique  
 Mechanische Installation  
 Instalación mecánica  
 Messa in opera meccanica  
 Instalação mecânica

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



(mm)	Sn	a	b	c	D/K	A	B	C	G	T	S	T (Nm)	e1 ≥	e2 ≥	e3 ≥	d1 ≥	h ≥	x
M8x1	1,5	50	40	-	61	-	-	-	-	-	13	5	3	18	4,5	8	0	0
M12x1	2/*4	50	42	-	61	-	-	-	-	-	17	15	4/*8	24/*48	6/*12	12	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
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
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

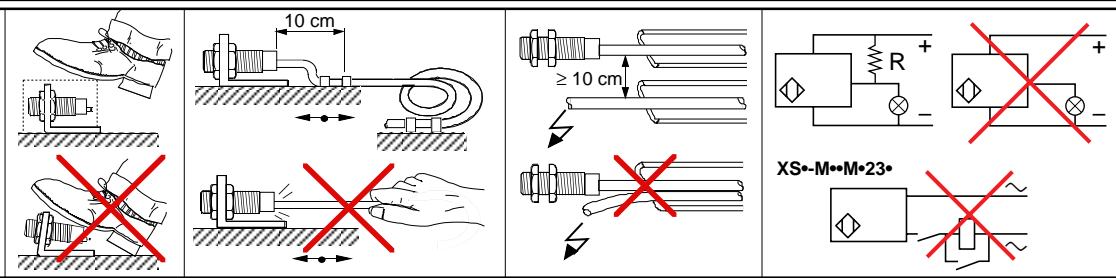


<b>Voltage limits (1)</b>	≈ 10...58 V	≈ 10...38 V	≈ 10...58 V	≈ 20...264 V
<b>Load switching capacity (2)</b>	0...200 mA	0...200 mA	1,5...100 mA	Ø8: 5...100, Ø12: 5...200, Ø18/30: 5...200 ≈/5...300 ≈
<b>Voltage drop (3)</b>	≤ 2 V	≤ 2,6 V	≤ 4 V	≤ 5,5 V
<b>Leakage current (4)</b>	-	-	≤ 0,5 mA	≤ 1,5 mA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

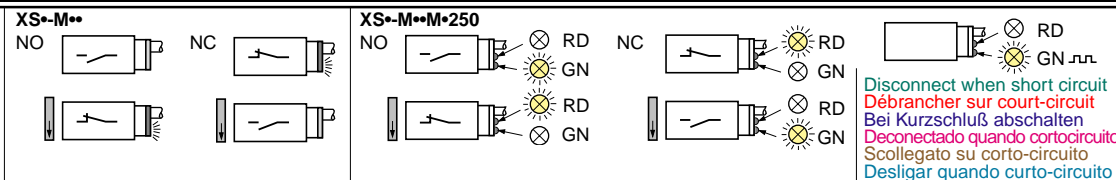
- (1) Limite de tension / Betriebsspannung / Limites de tensión / Limiti di tensione / Limites de tensão
- (2) Courant commuté / Schaltstrom / Intensidad conmutada / Corrente commuta / Corrente comutada
- (3) Tension de déchet / Spannungsfall (Ausgang durchgesteuert) / Tensión residual / Caduta di tensione / 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  
 Sinalização



Disconnect when short circuit  
 Débrancher sur court-circuit  
 Bei Kurzschluss abschalten  
 Deconectado quando cortocircuito  
 Scollegato su corto-circuito  
 Desligar quando curto-circuito

W913069670111 A13 1/2

# XZ-CP / XZ-CC



Machine cabling accessories

Constituants de câblage machine

Zubehör für Maschinen-Anschlußtechnik

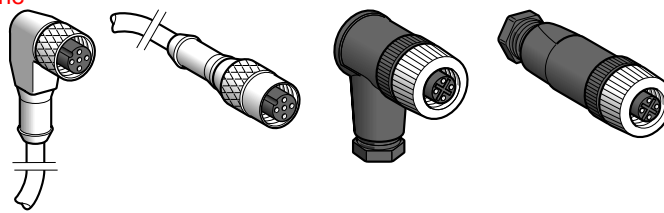
Contituyentes de conexionado

Accessori di cablaggio

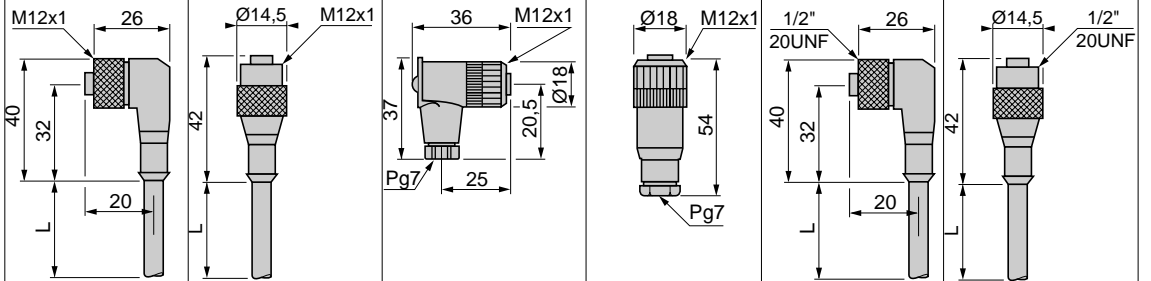
Constituintes de cablagem

XS-M.....D/LD

XS-M.....K

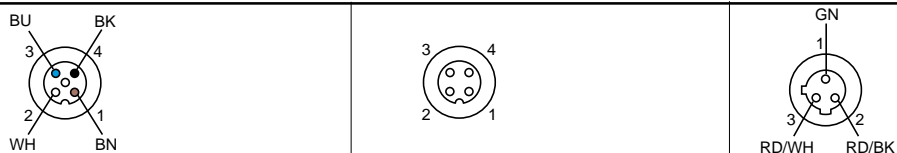


Dimensions  
Encombrements  
Abmessungen  
Dimensiones  
Dimensioni d'ingombro  
Altravancamentos



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

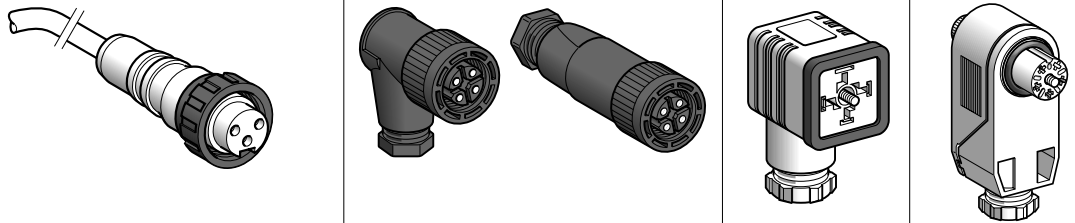


XS-M.....A

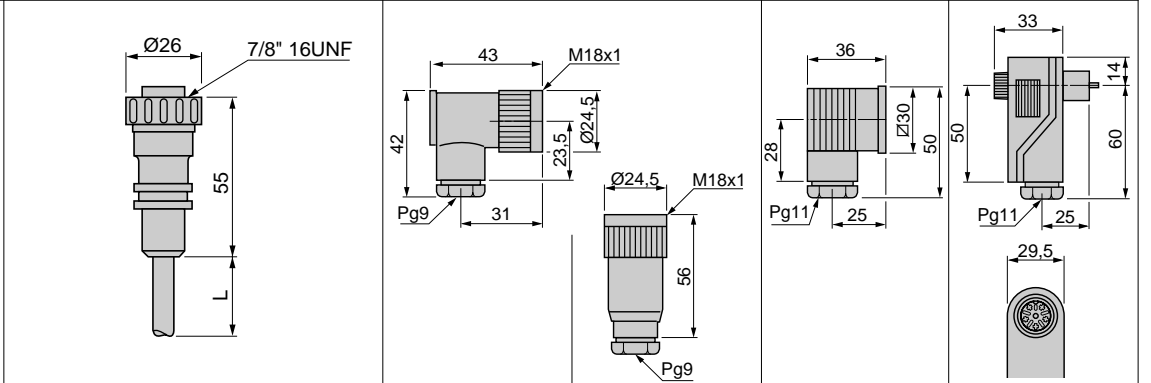
XS-M.....G

XS-M.....C

XS-M.....T

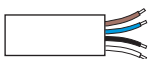
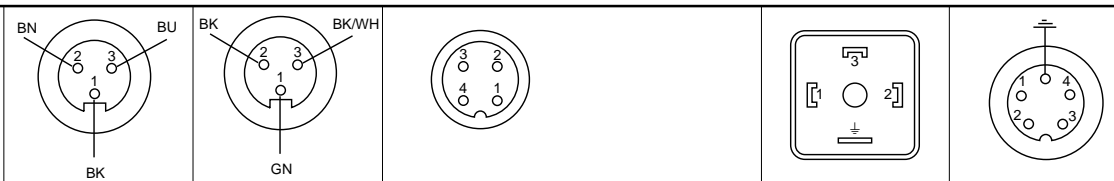


Dimensions  
Encombrements  
Abmessungen  
Dimensiones  
Dimensioni d'ingombro  
Altravancamentos



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
BU	Blue	Bleu	Blaü	Azul	Blu	Azul
BK	Black	Noir	Schwarz	Negro	Nero	Preto
WH	White	Blanc	Weiß	Blanco	Bianco	Branco
RD	Red	Rouge	Rot	Rojo	Rosso	Vermelho
GN	Green	Vert	Grün	Verde	Verde	Verde

Saddle clamps / Brides de fixation  
Klemmbefestigungsblock / Bidas de fijación  
Bride di fissaggio / Braçadeiras de fixaçao



Ø 8	Ø 12	Ø 18	Ø 30
XSZ-B108	XSZ-B112	XSZ-B118	XSZ-B130