

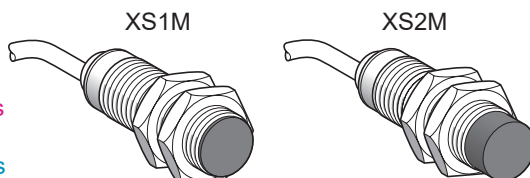
# XS1M / XS2M



Sensors



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



Enclosure : Type 12, 4X indoor use only  
Overcurrent protection \*

| Conductor size | mm <sup>2</sup> | Maximum<br>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 XS2B. For connector version, a suitable UL and CSA Approved connector must be used

## ⚠ DANGER / PELIGRO / DANGER

**HAZARDOUS VOLTAGE**  
Disconnect all power  
before servicing equipment.  
Electric shock will result  
in death or serious injury.

**TENSION PELIGROSA**  
Desenergice el equipo  
antes de realizarle servicio.  
Una descarga eléctrica  
podrá causar la muerte  
o lesiones serias.

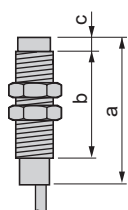
**TENSION DANGEREUSE**  
Couper l'alimentation avant  
de travailler sur cet appareil.  
Une électrocution  
entraînera la mort ou  
des blessures graves.

Manufacturer  
**TMSS France**  
Tour Egho, 2 avenue Gambetta  
92400 Courbevoie - France

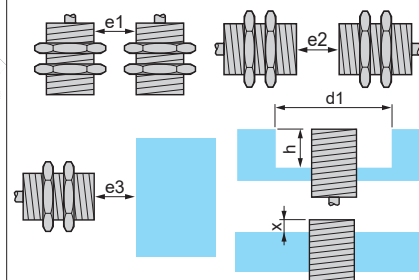
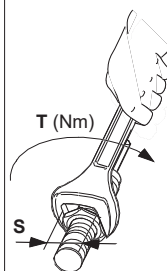
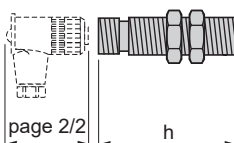
Mechanical installation  
Mise en œuvre mécanique  
Mechanische Installation  
Instalación mecánica  
Messa in opera meccanica  
Instalação mecânica

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

XS-M



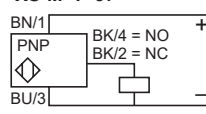
XS-M..... D/K/A



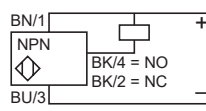
| (mm)    | Sn     | a  | b    | c  | D/K | A  | h | S  | T (Nm) | e1 ≥   | e2 ≥     | e3 ≥   | d1 ≥   | h ≥    | x      |
|---------|--------|----|------|----|-----|----|---|----|--------|--------|----------|--------|--------|--------|--------|
| M8x1    | 1,5    | 50 | 40   | -  | 61  | -  | - | 13 | 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 | - | 24 | 35     | 10/*20 | 60/*120  | 15/*30 | 18/*28 | 0/*1.8 | 0      |
| M30X1.5 | 10/*20 | 60 | 51.5 | -  | 70  | 75 | - | 36 | 50     | 20/*40 | 120/*240 | 30/*60 | 30/*50 | 0/*6   | 0/*1.8 |
| M8x1    | 2,5    | 50 | 36   | 4  | 61  | -  | - | 13 | 5      | 10     | 30       | 7.5    | 24     | 5      | 0/*6   |
| M12x1   | 4      | 50 | 37   | 5  | 61  | -  | - | 17 | 15     | 16     | 48       | 12     | 36     | 8      | -      |
| M18X1   | 8      | 60 | 43.5 | 8  | 70  | 75 | - | 24 | 35     | 32     | 96       | 24     | 54     | 16     | -      |
| M30X1.5 | 15     | 60 | 38.5 | 13 | 70  | 75 | - | 36 | 50     | 60     | 180      | 45     | 90     | 30     | -      |

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

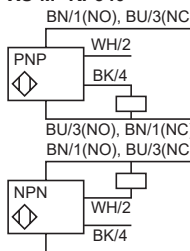
XS-M-P-37



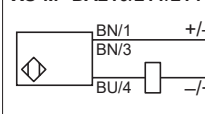
XS-M-N-37



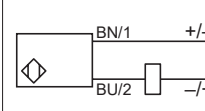
XS-M-KP340



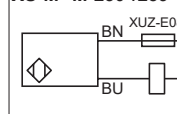
XS-M-DA210/211/214



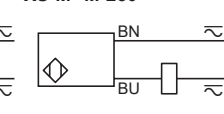
XS-M-DB210/211



XS-M-M-230\*/239\*



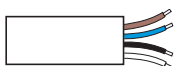
XS-M-M-250



\* Without short circuit protection  
Non protégés court-circuit  
Ohne Kurzschlußschutz  
No protección cortocircuito  
Non protetto corto-circuito  
Não protecção curto-circuito

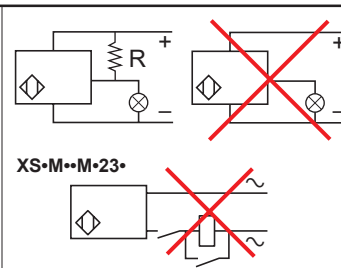
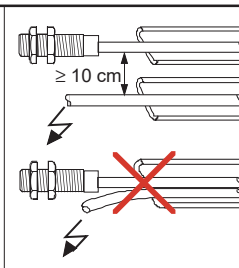
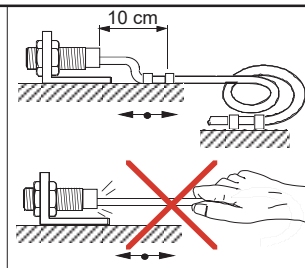
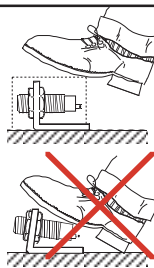
|                             |            |                        |              |                                                        |
|-----------------------------|------------|------------------------|--------------|--------------------------------------------------------|
| Voltage limits (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        | ≤ 5,5 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) | -            | -                                                      |

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



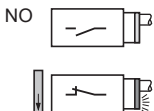
|    |       |       |         |        |        |          |
|----|-------|-------|---------|--------|--------|----------|
| BN | Brown | Brun  | Braun   | Marrón | Marron | Castanho |
| BU | Blue  | Bleu  | Blau    | Azul   | Blu    | Azul     |
| BK | Black | Noir  | Schwarz | Negro  | Nero   | Preto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

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

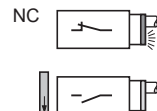


Indication  
Signalisation  
Funktionsanzeige  
Señalización  
Segnalazione  
Sinalização

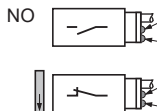
XS-M



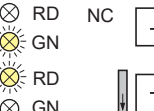
XS-M-M-250



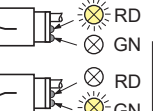
XS-M-M-250



XS-M-M-250



XS-M-M-250



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

# XZCP / XZCC



Sensors

Machine cabling accessories

Constituants de câblage machine

Zubehör für Maschinen-  
Anschlußtechnik

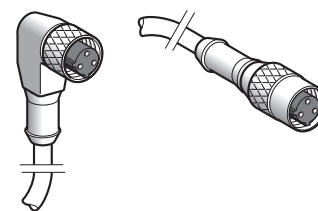
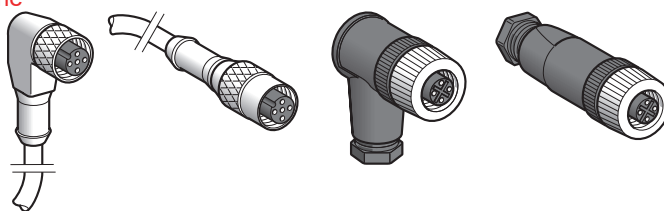
Contituyentes de conexionado

Accessori di cablaggio

Constituintes de cablagem

XS•M..... D/LD

XS•M..... K



Dimensions

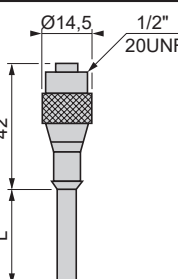
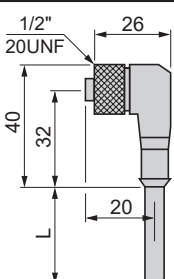
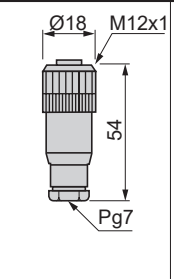
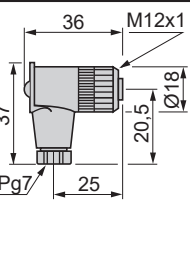
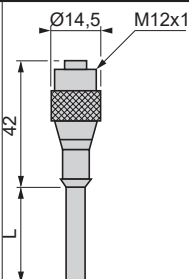
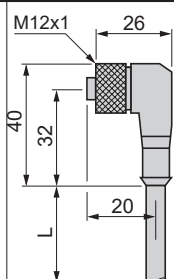
Encombrements

Abmessungen

Dimensiones

Dimensioni d'ingombro

Altravancamentos



PvR L = 2 m.

XZCP1241L2

XZCP1141L2

-

-

XZCP1965L2

XZCP1865L2

PvR L = 5 m.

XZCP1241L5

XZCP1141L5

-

-

XZCP1965L5

XZCP1865L5

7P (Pg7)

-

-

XZCC12FCM40B

XZCC12FDM40B

-

-

Connection schemes

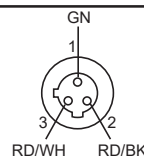
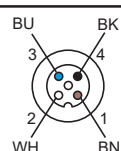
Schémas de raccordement

Anschlußpläne

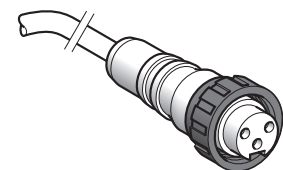
Esquemas de conexión

Schemi di collegamento

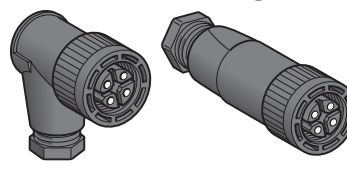
Esquemas de ligação



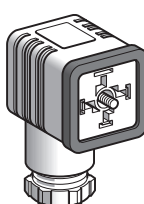
XS•M..... A



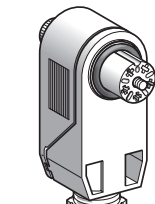
XS•M..... G



XS•M..... C



XS•M..... T



Dimensions

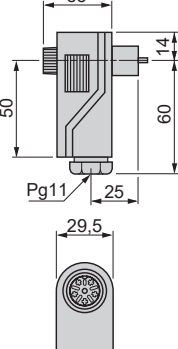
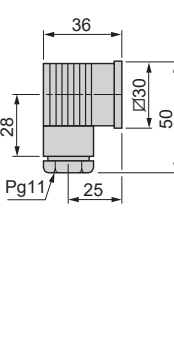
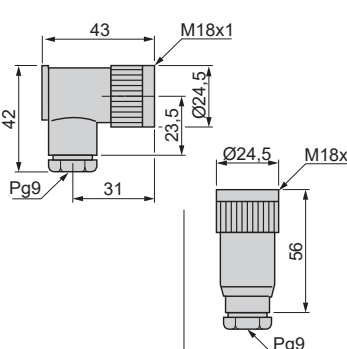
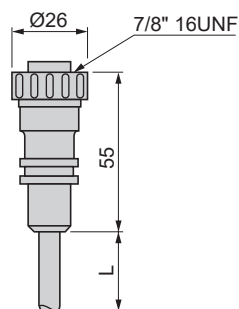
Encombrements

Abmessungen

Dimensiones

Dimensioni d'ingombro

Altravancamentos



PvR L = 2 m.

XZCP1662L2

XZCP1670L2

-

-

-

-

PvR L = 5 m.

XZCP1662L5

XZCP1670L5

-

-

-

-

9P (Pg9)

-

-

XZCC18FCP40B

XZCC18FDP40B

-

-

11P (Pg11)

-

-

-

-

XZCC43FCP40B

XZCC51FCP50B

Connection schemes

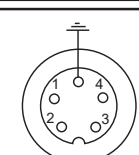
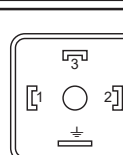
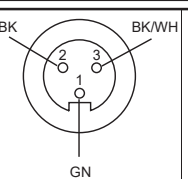
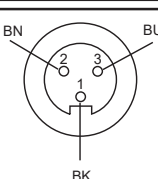
Schémas de raccordement

Anschlußpläne

Esquemas de conexión

Schemi di collegamento

Esquemas de ligação



BN

Brown

Brun

Braun

Marrón

Marron

Castanho

BU

Blue

Bleu

Blau

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 / Brides de fijación

Bride di fissaggio / Braçadeiras de fixação



Ø 8

XSZB108

Ø 12

XSZB112

Ø 18

XSZB118

Ø 30

XSZB130