
Photo-electric sensors miniature design XUM range

Catalogue



Simply easy!™



Telemecanique
Sensors

Photo-electric sensors miniature design XUM range

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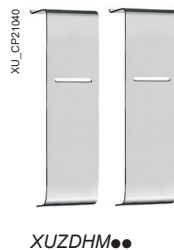
Photo-electric sensors

XUM, general purpose, single mode function

Miniature design, plastic

Three-wire DC, solid-state output

Potentiometer setting for NO/NC, sensitivity



Thru-beam system with adjustable sensitivity

Max./operating sensing distance (Sn)	Function	Output	Connection	Reference	Weight kg
Transmitter + receiver					
30 m/24 m	Light ON (NC)/ Dark ON (NO) configuration by potentiometer	PNP	Pre-cabled (L = 2 m)	XUM2APXBL2	0.096
			M8 connector (4-pin)	XUM2APXBM8	0.026
		NPN	Pre-cabled (L = 2 m)	XUM2ANXBL2	0.096
			M8 connector (4-pin)	XUM2ANXBM8	0.026

Transmitter only (1)

30 m/24 m			Pre-cabled (L = 2 m)	XUM2AKXBL2T	0.063
			M8 connector (4-pin)	XUM2AKXBM8T	0.010

Receiver only (1)

30 m/24 m	Light ON (NC)/ Dark ON (NO) configuration by potentiometer	PNP	Pre-cabled (L = 2 m)	XUM2APXBL2R	0.630
			M8 connector (4-pin)	XUM2APXBM8R	0.010
		NPN	Pre-cabled (L = 2 m)	XUM2ANXBL2R	0.063
			M8 connector (4-pin)	XUM2ANXBM8R	0.010

Accessories for thru-beam system

Description	Dimensions	Sensing distance	Reference	Weight
	mm	m		kg
Vertical diaphragm Sold in lots of 2	0.5 x 6.4	1	XUZDVM05	0.003
	1 x 6.4	1.5	XUZDVM10	0.003
	2 x 6.4	3.5	XUZDVM20	0.003
Horizontal diaphragm Sold in lots of 2	0.5 x 6.4	0.7	XUZDHM05	0.003
	1 x 6.4	1.5	XUZDHM10	0.003
	2 x 6.4	3	XUZDHM20	0.003
Round diaphragm Sold in lots of 2	0.5 x 6.4	0.08	XUZDRM05	0.003
	1 x 6.4	0.3	XUZDRM10	0.003
	2 x 6.4	1.2	XUZDRM20	0.003

Fixing accessories

See page 5.

Cabling accessories

See pages 16 to 21.

(1) To order these references, please consult our Customer Care Centre.

Photo-electric sensors

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Potentiometer setting for NO/NC, sensitivity



XUM9A●XBL2



XUM9A●XBM8



XUZC50



XUZC39



XUZC60S11



XUM8A●XBL2



XUM8A●XBM8

Polarised reflex system with adjustable sensitivity

Sensors

Max./operating sensing distance (Sn)	Function	Output	Connection	Reference	Weight kg
8 m/6.7 m with reflector XUZC50	Light ON (NC)/ Dark ON (NO) configuration by potentiometer	PNP	Pre-cabled (L = 2 m)	XUM9APXBL2	0.063
			M8 connector (4-pin)	XUM9APXBM8	0.010
		NPN	Pre-cabled (L = 2 m)	XUM9ANXBL2	0.063
			M8 connector (4-pin)	XUM9ANXBM8	0.010

Reflectors

Description	Size	Fixing mode	Reference	Weight kg
Rigid square reflectors	100 mm x 100 mm	2 brackets (not provided)	XUZC100	0.035
	51.5 mm x 69 mm	6 holes	XUZC50	0.020
Rigid rectangle reflectors	45 mm x 29 mm	2 holes	XUZC24	0.010
	40 mm x 60 mm	2 holes	XUZC60S11	0.022
Rigid circular reflectors	Ø 39 mm	Adhesive	XUZC39	0.008

Note: All reflectors are IP 67 and IP 69K.

Background suppression system with adjustable sensitivity

Max./operating sensing distance (Sn)	Function	Output	Connection	Reference	Weight kg
300 mm/200 mm (white object or paper)	Light ON (NO)/ Dark ON (NC) configuration by potentiometer	PNP	Pre-cabled (L = 2 m)	XUM8APXBL2	0.063
			M8 connector (4-pin)	XUM8APXBM8	0.010
		NPN	Pre-cabled (L = 2 m)	XUM8ANXBL2	0.063
			M8 connector (4-pin)	XUM8ANXBM8	0.010

Accessories

Fixing accessories

See page 5.

Cabling accessories

See pages 16 to 21.

Photo-electric sensors
XUM, general purpose, single mode function
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Potentiometer setting for NO/NC, sensitivity



Diffuse system with adjustable sensitivity					
Max./operating sensing distance (Sn)	Function	Output	Connection	Reference	Weight kg
Diffuse short range					
0.25 m/0.17 m	Light ON (NO)/ Dark ON (NC) configuration by potentiometer	PNP	Pre-cabled (L = 2 m)	XUM4APXBL2	0.063
			M8 connector (4-pin)	XUM4APXBM8	0.010
		NPN	Pre-cabled (L = 2 m)	XUM4ANXBL2	0.063
			M8 connector (4-pin)	XUM4ANXBM8	0.010
Diffuse medium range					
1.1 m/0.8 m	Light ON (NO)/ Dark ON (NC) configuration by potentiometer	PNP	Pre-cabled (L = 2 m)	XUM6APXBL2	0.063
			M8 connector (4-pin)	XUM6APXBM8	0.010
		NPN	Pre-cabled (L = 2 m)	XUM6ANXBL2	0.063
			M8 connector (4-pin)	XUM6ANXBM8	0.010
Diffuse long range					
1.9 m/1.5 m	Light ON (NO)/ Dark ON (NC) configuration by potentiometer	PNP	Pre-cabled (L = 2 m)	XUM5APXBL2	0.063
			M8 connector (4-pin)	XUM5APXBM8	0.010
		NPN	Pre-cabled (L = 2 m)	XUM5ANXBL2	0.063
			M8 connector (4-pin)	XUM5ANXBM8	0.010

Photo-electric sensors

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Potentiometer setting for NO/NC, sensitivity



XUZASM04



XUZASM03



XUZASM02



XUZA50



XUZASM05

Accessories for all XUM miniature sensors

Fixing accessories

Description	For use with sensors	Reference	Weight kg
Rear mounting bracket Supplied with 2 M3 screws	XUM●A●XBL2 XUM●A●XBM8	XUZASM04	0.030
Wrap around vertical mounting bracket, for pre-cabled sensors Supplied with 2 M3 screws	XUM●A●XBL2	XUZASM03	0.062
Wrap around horizontal mounting bracket, for pre-cabled sensors Supplied with 2 M3 screws	XUM●A●XBL2	XUZASM02	0.030
Metal fixing bracket Supplied with 2 M3 screws	XUM●A●XBL2 XUM●A●XBM8	XUZA50	0.025

Setting-up accessory

Air blower mounting block (1) for cleaning the sensitive face of the sensor, using compressed air.	XUM●A●XBL2 XUM●A●XBM8	XUZASM05	0.030
Supplied with 2 mounting screws (M3 x 20), 1 air supply port plugging screw for the unused port (of 2 available) and 1 gasket.			

Cabling accessories

See pages 16 to 21.

(1) The air tube is not provided.

Photo-electric sensors

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Potentiometer setting for NO/NC, sensitivity

Characteristics					
Sensor type			XUM●A●XBM8		XUM●A●XBL2
Product certifications				CE, UKCA, cULus EAC, RCM <i>(pending)</i>	
Connection	Connector			M8	–
	Pre-cabled			–	Length: 2 m
Nominal sensing distance Sn	Système barrage	XUM2	m	30 (with excess gain = 1) 24 (with excess gain = 2)	
	Polarised reflex system (using a 50 x 50 mm reflector XUZC50)	XUM9	m	0.05...8 (with excess gain = 1) 0.05...6.7 (with excess gain = 2)	
	Background suppression system	XUM8	mm	4 mm...300 mm: White paper or object. Sn (90%) 5 mm...265 mm: Grey object. Sn (18%) 8 mm...200 mm: Black object. Sn (6%)	
	Diffuse system (using a white paper 200 x 200 mm)	XUM4	m	0.25 (with excess gain = 1) 0.17 (with excess gain = 2)	
		XUM5	m	1.9 (with excess gain = 1) 1.5 (with excess gain = 2)	
		XUM6	m	1.1 (with excess gain = 1) 0.8 (with excess gain = 2)	
Hysteresis				2 % < H < 20 % at Sn	
Type of transmission	Red			Thru-beam system XUM2 Polarised reflex system XUM9 Background suppression system XUM8 Diffuse system XUM6	
	Infrared			Diffuse system XUM4 and XUM5	
Degree of protection	Conforming to IEC 60529			IP 65, IP 67	
Storage temperature			°C	- 40...+ 70	
Operating temperature			°C	- 30...+ 55	
Materials	Case			PBT	
	Lens			PMMA	
	Display			PC	
	Cable			–	PVC
Vibration resistance	Conforming to IEC 60068-2-6			Frequency range: 10 to 500 Hz Acceleration: 9 gn	
Shock resistance	Conforming to IEC 60068-2-27			Peak acceleration: 100 gn Duration of the pulse: 11 ms	
Indicator lights	Output state			Yellow LED	
	Stability			Green LED (XUM4, XUM5, XUM6, XUM8, XUM9)	
	Power on			Green LED (XUM2)	
Rated supply voltage			V	≐ 12...24 with protection against reverse polarity	
Voltage limits (including ripple)			V	≐ 12...24	
Current consumption, no-load			mA	< 20 max.	
Switching capacity			mA	100	
Voltage drop, closed state			V	≤ 2	
Maximum switching frequency			Hz	1000	
Delays	First-up		ms	< 100	
	Response		ms	0.5	
	Recovery		ms	0.5	

Photo-electric sensors

XUM, general purpose, single mode function

Miniature design, plastic

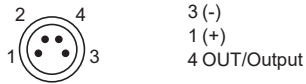
Three-wire DC, solid-state output

Potentiometer setting for NO/NC, sensitivity

Wiring schemes

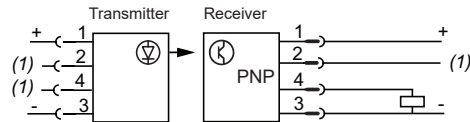
Thru-beam system

M8 connector - 4 pins



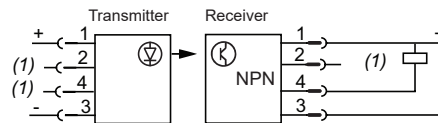
PNP

XUM2APXBM8



NPN

XUM2ANXBM8



Pre-cabled - 3 wires

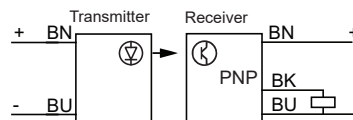
(-) BU (Blue)

(+) BN (Brown)

OUT/Output BK (Black)

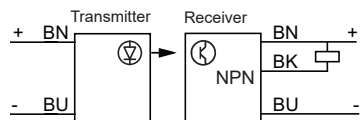
PNP

XUM2APXBL2



NPN

XUM2ANXBL2



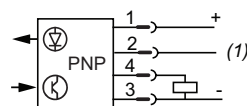
Polarised reflex, background suppression and diffuse systems

M8 connector - 4 pins



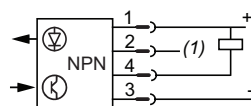
PNP

XUM●APXBM8



NPN

XUM●ANXBM8



Pre-cabled - 3 wires

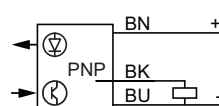
(-) BU (Blue)

(+) BN (Brown)

OUT/Output BK (Black)

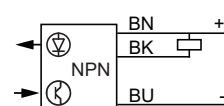
PNP

XUM●APXBL2



NPN

XUM●ANXBL2



(1): Not connected.

Photo-electric sensors

XUM, general purpose, single mode function

Miniature design, plastic

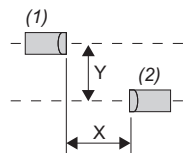
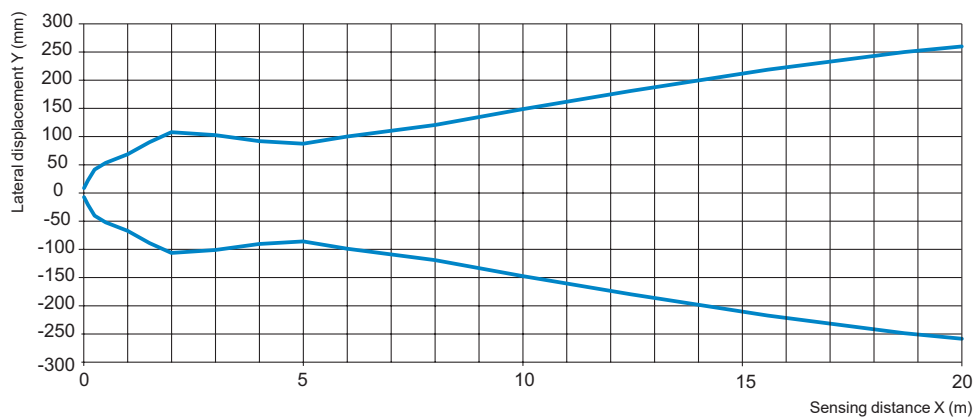
Three-wire DC, solid-state output

Potentiometer setting for NO/NC, sensitivity

Detection curves

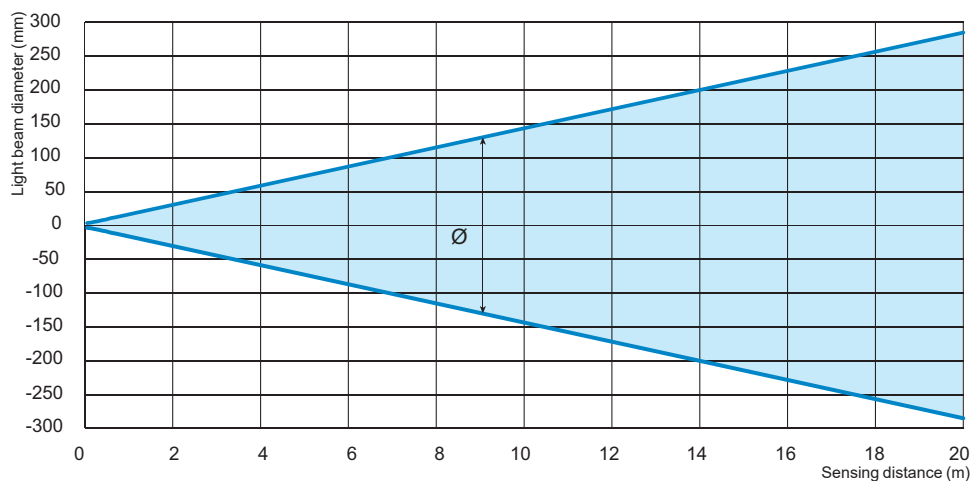
Thru-beam system: XUM2

Lateral displacement



(1): Transmitter
(2): Receiver

Light beam diameter



Excess gain

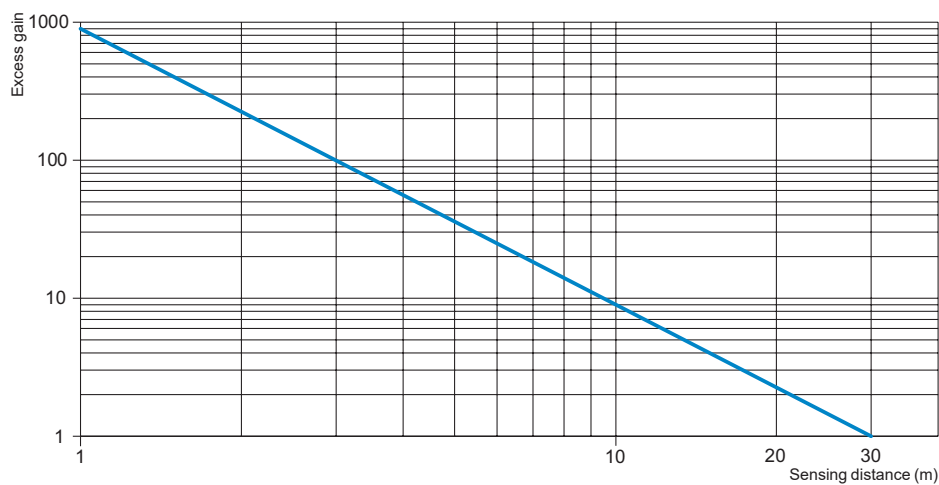


Photo-electric sensors

XUM, general purpose, single mode function

Miniature design, plastic

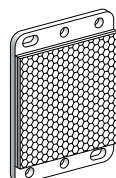
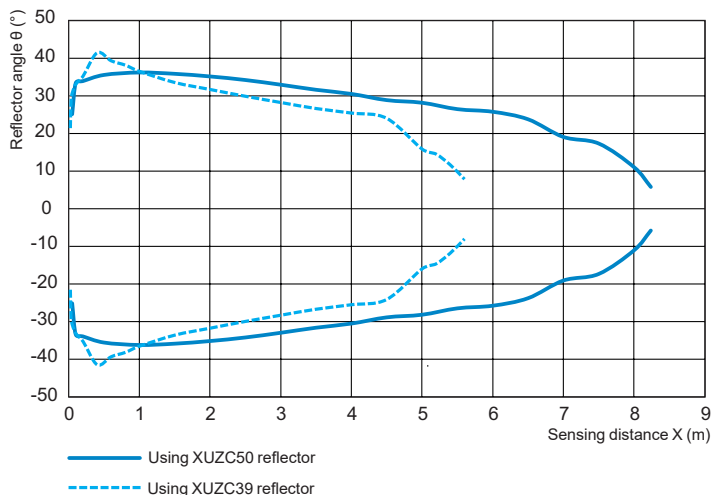
Three-wire DC, solid-state output

Potentiometer setting for NO/NC, sensitivity

Detection curves

Polarised reflex system: XUM9

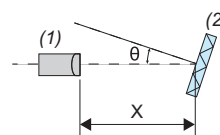
Reflector angle



XUZC50

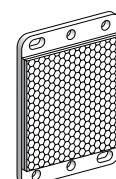
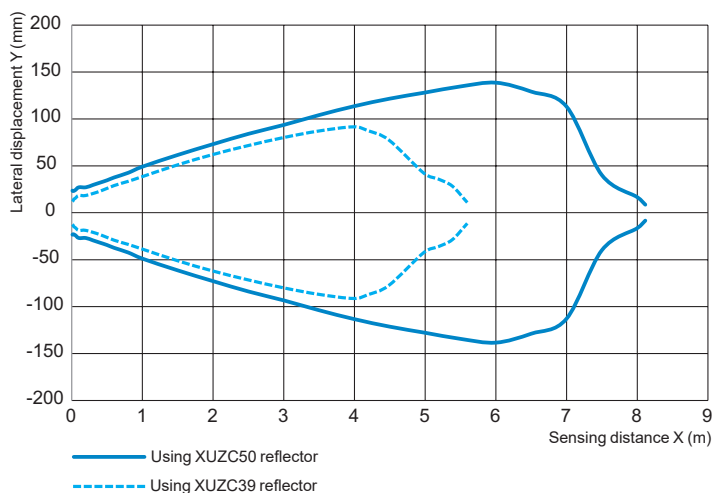


XUZC39



(1): Sensor
 (2): Reflector
 θ : Reflector angle (°)
 X : Sensing distance (m)

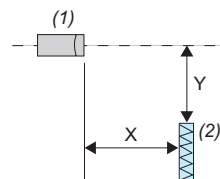
Lateral displacement



XUZC50

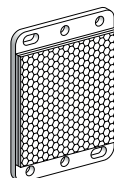
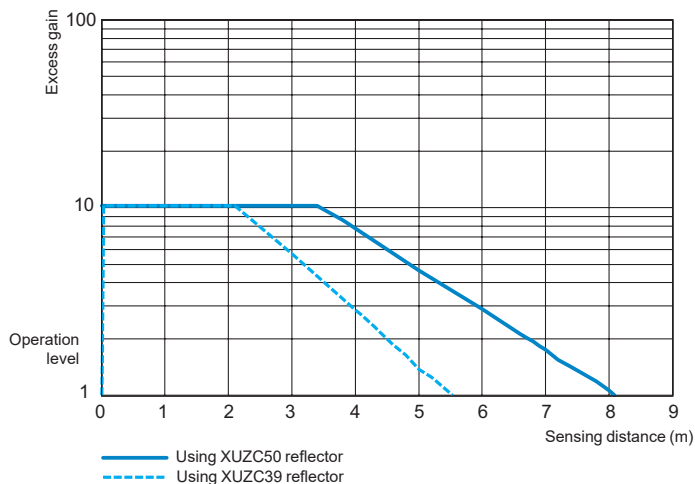


XUZC39



(1): Sensor
 (2): Reflector
 Y : Lateral displacement (mm)
 X : Sensing distance (m)

Excess gain



XUZC50



XUZC39

Photo-electric sensors

XUM, general purpose, single mode function

Miniature design, plastic

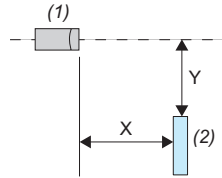
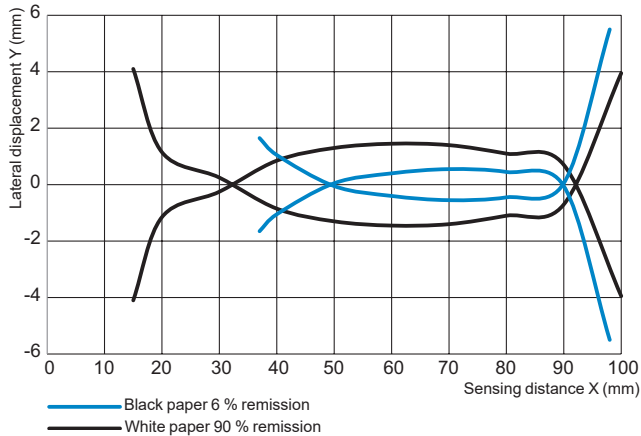
Three-wire DC, solid-state output

Potentiometer setting for NO/NC, sensitivity

Detection curves (continued)

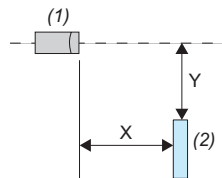
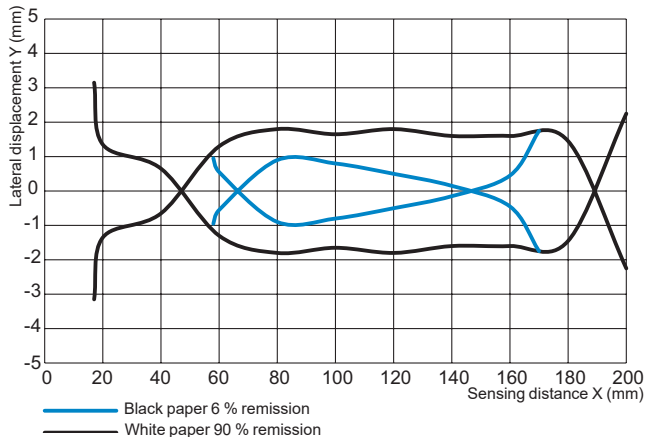
Background suppression system: XUM8

Lateral displacement (preset 100 mm)



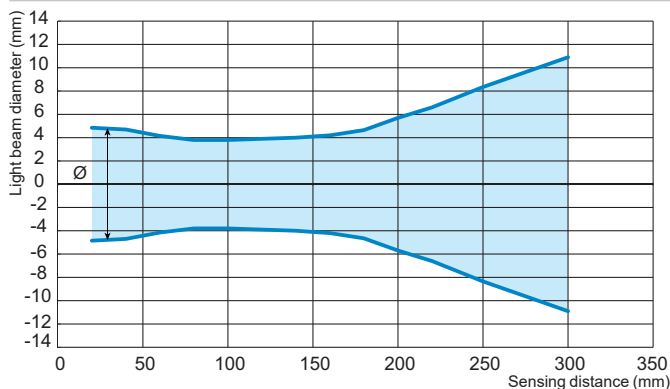
(1): Sensor
(2): Object (200 mm square white and black mat paper)
X: Sensing distance (mm)
Y: Lateral displacement (mm)

Lateral displacement (preset 200 mm)

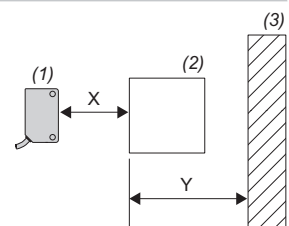
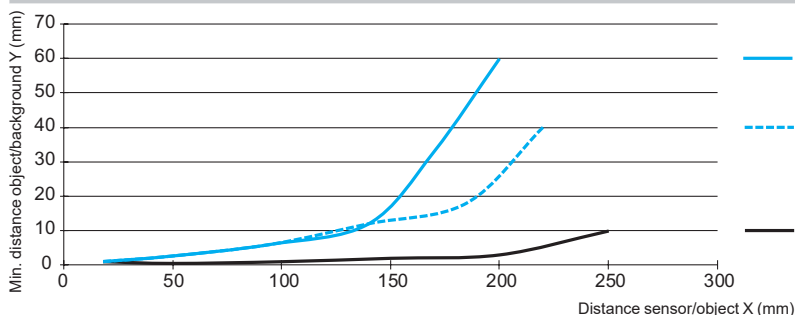


(1): Sensor
(2): Object (200 mm square white and black mat paper)
X: Sensing distance (mm)
Y: Lateral displacement (mm)

Light beam diameter



Minimum distance between the object to detect and white background



(1): Sensor
(2): Object
(3): Background
X: Distance sensor/object (mm)
Y: Min. distance object/background (mm)

Photo-electric sensors

XUM, general purpose, single mode function

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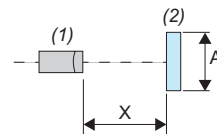
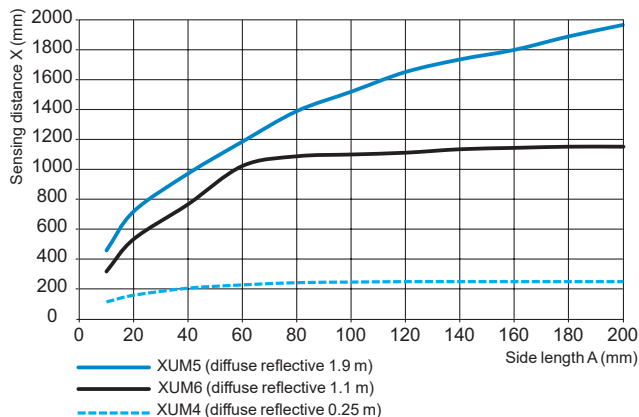
Three-wire DC, solid-state output

Potentiometer setting for NO/NC, sensitivity

Detection curves (continued)

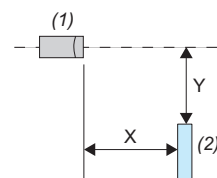
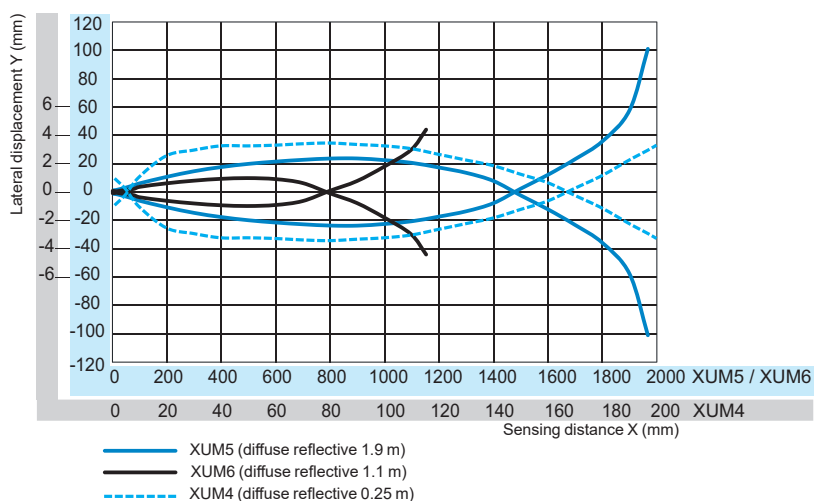
Diffuse system: XUM4, XUM5 and XUM6

Object size/sensing distance



(1): Sensor
(2): Object (white mat paper of A mm square)
A: Side length (mm)
X: Sensing distance (mm)

Lateral displacement



(1): Sensor
(2): Object (200 x 200 mm square white paper)
X: Sensing distance (mm)
Y: Lateral displacement (mm)

Excess gain

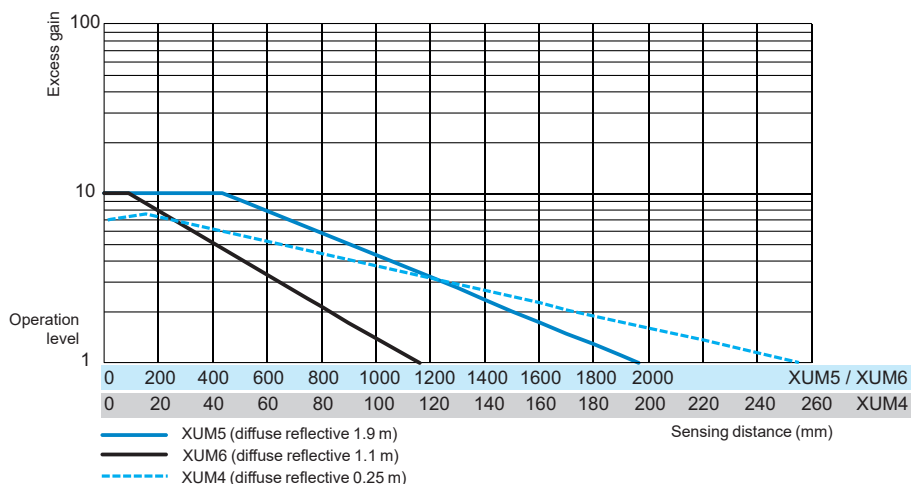


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Potentiometer setting for NO/NC, sensitivity

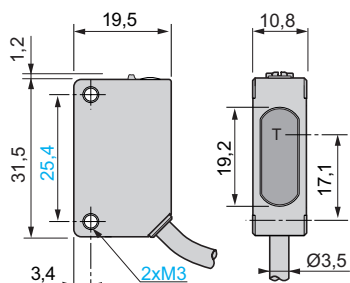
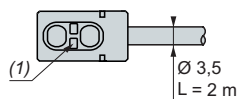
Thru-beam system

Pre-cabled version

Transmitter

Description - XUM2A●XBL2

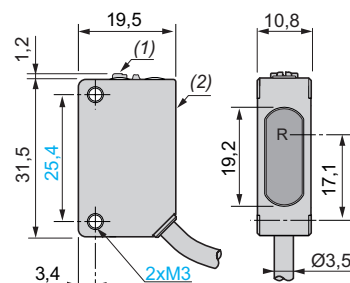
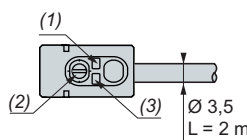
Dimensions - XUM2A●XBL2



Receiver

Description - XUM2A●XBL2

Dimensions - XUM2A●XBL2

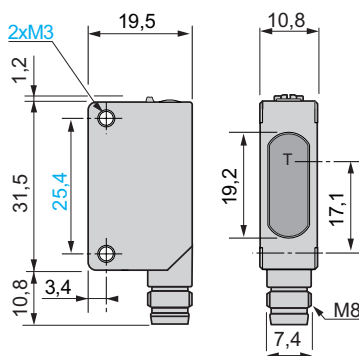
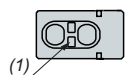


M8 connector version

Transmitter

Description - XUM2A●XBM8

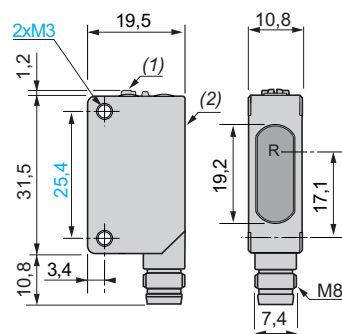
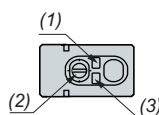
Dimensions - XUM2A●XBM8



Receiver

Description - XUM2A●XBM8

Dimensions - XUM2A●XBM8



(1) Power ON indicator (green).

T: Transmission.

(1) Output indicator (yellow)

(2) Setting potentiometer

(sensitivity).

(3) Power ON indicator (green).

R: Reception.

(1) Setting potentiometer (sensitivity).

(2) Setting potentiometer (output).

Photo-electric sensors

XUM, general purpose, single mode function

Miniature design, plastic

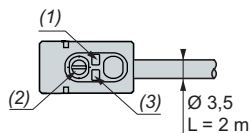
Three-wire DC, solid-state output

Potentiometer setting for NO/NC, sensitivity

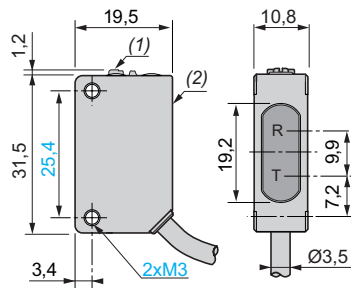
Polarised reflex system

Pre-cabled version

Description - XUM9A●XBL2

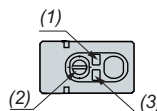


Dimensions - XUM9A●XBL2

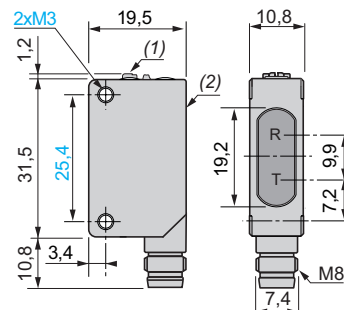


M8 connector version

Description - XUM9A●XBM8

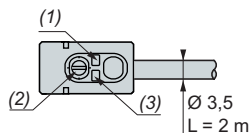


Dimensions - XUM9A●XBM8

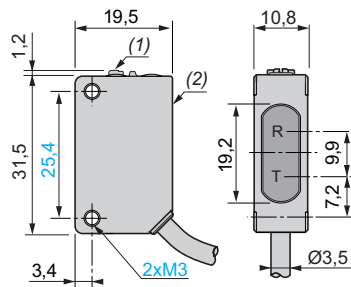


Background suppression system

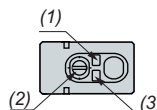
Description - XUM8A●XBL2



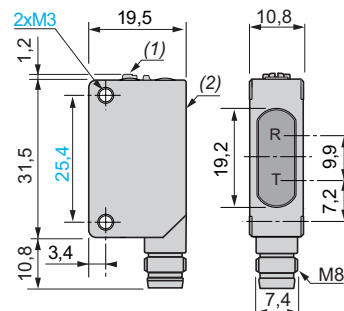
Dimensions - XUM8A●XBL2



Description - XUM8A●XBM8

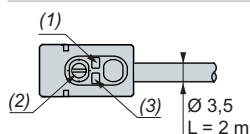


Dimensions - XUM8A●XBM8

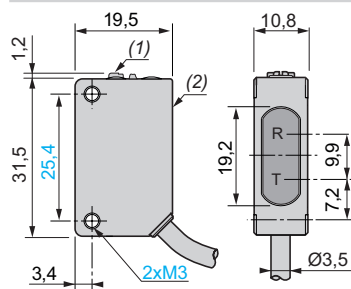


Diffuse system

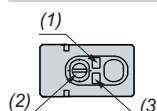
Description - XUM5A●XBL2,
XUM6A●XBL2,
XUM4A●XBL2



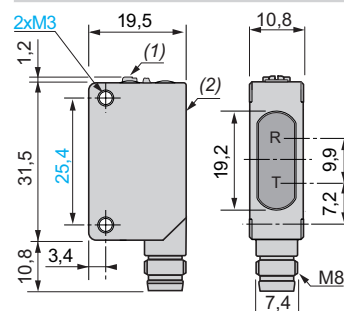
Dimensions - XUM5A●XBL2,
XUM6A●XBL2,
XUM4A●XBL2



Description - XUM5A●XBM8,
XUM6A●XBM8,
XUM4A●XBM8



Dimensions - XUM5A●XBM8,
XUM6A●XBM8,
XUM4A●XBM8



(1) Output indicator (yellow)
(2) Setting potentiometer (sensitivity)
(3) Stability indicator (green).

R: Reception.
T: Transmission.
(1) Setting potentiometer (sensitivity).
(2) Setting potentiometer (output).

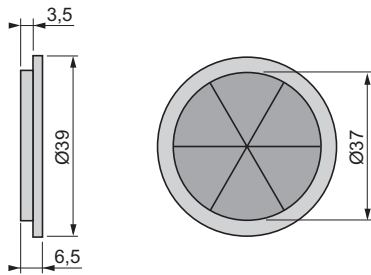
(1) Output indicator (yellow)
(2) Setting potentiometer (sensitivity)
(3) Stability indicator (green).

R: Reception.
T: Transmission.
(1) Setting potentiometer (sensitivity).
(2) Setting potentiometer (output).

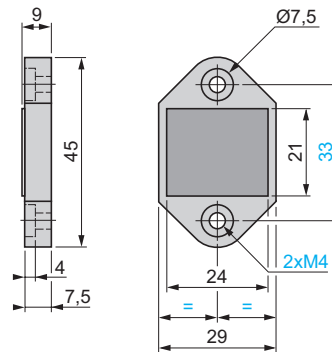
Accessories

Reflectors

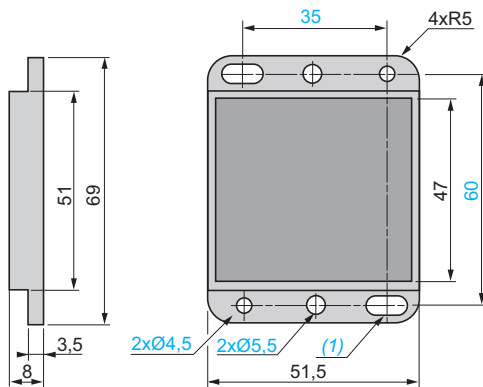
XUZC39



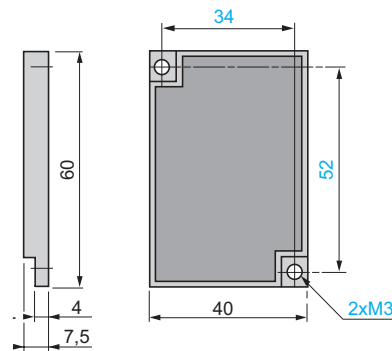
XUZC24



XUZC50

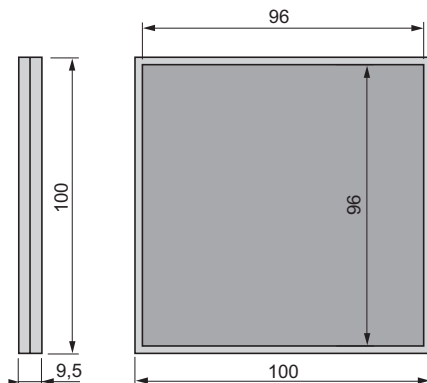


XUZC60S11



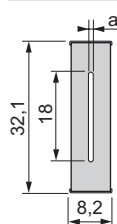
(1) 2 elongated holes Ø 4.5 x 8

XUZC100

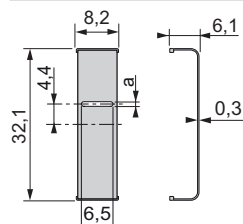


Diaphragms

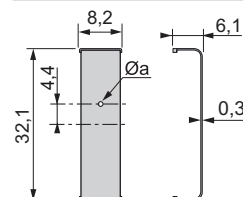
XUZDVM●●



XUZDHM●●



XUZDRM●●



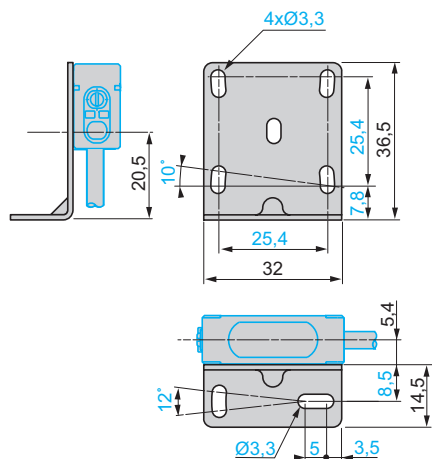
Reference a (mm)

XUZDVM05	0.5
XUZDVM10	1
XUZDVM20	2
XUZDHM05	0.5
XUZDHM10	1
XUZDHM20	2
XUZDRM05	Ø 0.5
XUZDRM10	Ø 1
XUZDRM20	Ø 2

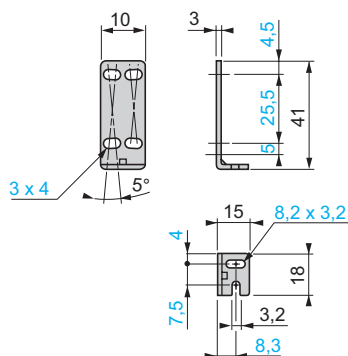
Accessories (continued)

Fixing brackets

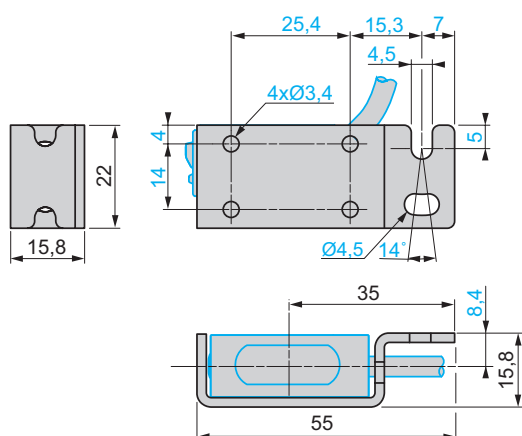
XUZASM04



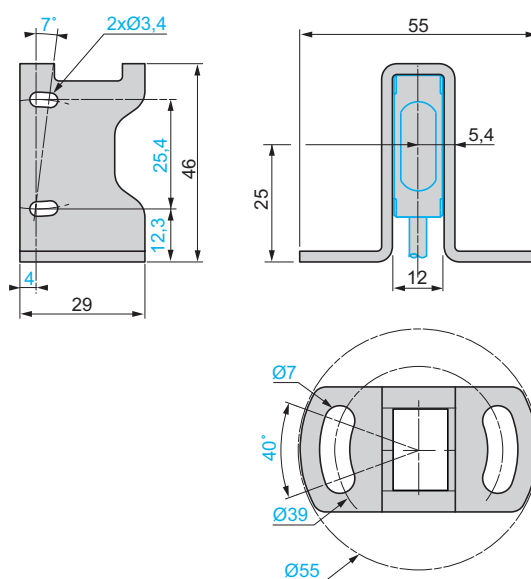
XUZA50



XUZASM02



XUZASM03



Air blower mounting block

XUZASM05

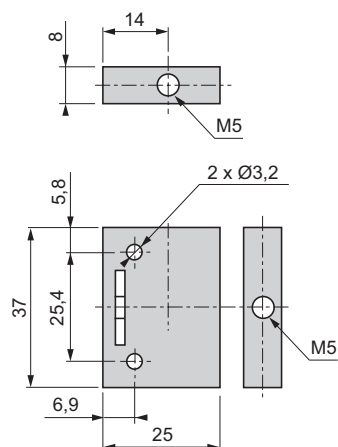
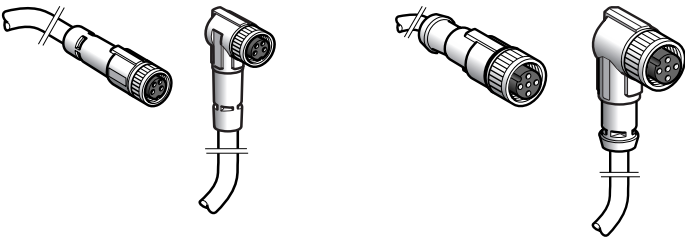


Photo-electric sensors
Cabling accessories for XUM miniature sensors
Pre-wired connectors M8 and M12
PVC cable



Connector type	Female, M8, straight	Female, M8, elbow	Female, M12, straight	Female, M12, elbow
Number of pins	4			

References					
PVC cable	L = 2 m	XZCPV0941L2	XZCPV1041L2	XZCPV1141L2	XZCPV1241L2
	L = 5 m	XZCPV0941L5	XZCPV1041L5	XZCPV1141L5	XZCPV1241L5
	L = 10 m	XZCPV0941L10	XZCPV1041L10	XZCPV1141L10	XZCPV1241L10
Weight (kg)		0.090 (L = 2 m) 0.200 (L = 5 m) 0.380 (L = 10 m)		0.090 (L = 2 m) 0.200 (L = 5 m) 0.380 (L = 10 m)	

Characteristics		
Certifications	cULus	
Connection type	Screw threaded (metal clamping ring)	
Cable material	PVC sheath, PP conductor insulation	
Degree of protection	IP 65, IP 67	
Ambiant air temperature	Static cable	- 25...+ 80 °C
	Flexing cable	- 5...+ 80 °C
Cabling	Ø 4.6 mm cable, conductor c.s.a.: 4 x 0.25 mm ²	
Nominal voltage	~ 60 V, --- 75 V	~ 250 V, --- 300 V
Nominal current	3 A	
Insulation resistance	> 10 ⁹ Ω	
Contact resistance	≤ 5 m Ω	

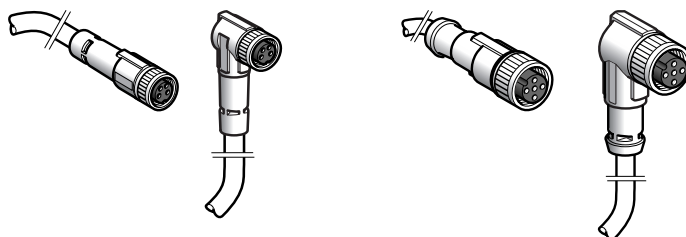
Connections	Dimensions			
XZCPV0941L●, XZCPV1041L●	XZCPV0941L●	XZCPV1041L●	XZCPV1141L●	XZCPV1241L●
BN: Brown WH: White BU: Blue BK: Black	L = 2, 5 or 10 m			

Photo-electric sensors

Cabling accessories for XUM miniature sensors

Pre-wired connectors M8 and M12

PUR cable



Connector type	Female, M8, straight	Female, M8, elbow	Female, M12, straight	Female, M12, elbow
Number of conductors	4			

References

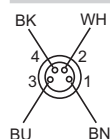
PUR cable	L = 2 m	XZCP0941L2	XZCP1041L2	XZCP1141L2	XZCP1241L2
	L = 5 m	XZCP0941L5	XZCP1041L5	XZCP1141L5	XZCP1241L5
	L = 10 m	XZCP0941L10	XZCP1041L10	XZCP1141L10	XZCP1241L10
Weight (kg)		0.080 (L = 2 m) 0.180 (L = 5 m) 0.360 (L = 10 m)		0.090 (L = 2 m) 0.190 (L = 5 m) 0.370 (L = 10 m)	

Characteristics

Certifications		cULus
Connection type		Screw threaded (metal clamping ring)
Cable material		PUR sheath, PP conductor insulation
Degree of protection		IP 65, IP 67, IP 69K
Ambiant air temperature	Static cable	- 40...+ 80 °C
	Flexing cable	- 5...+ 80 °C
Cabling		Ø 5.2 mm cable, conductor c.s.a.: 4 x 0.34 mm²
Nominal voltage		~ 60 V, ~ 75 V ~ 250 V, ~ 300 V
Nominal current		4 A
Insulation resistance		> 10 ⁹ Ω
Contact resistance		≤ 5 m Ω

Connections

XZCP0941L●, XZCP1041L●



BN: Brown
WH: White
BU: Blue
BK: Black

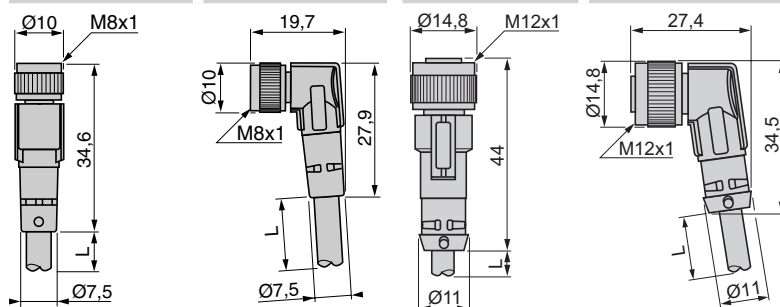
Dimensions

XZCP0941L●

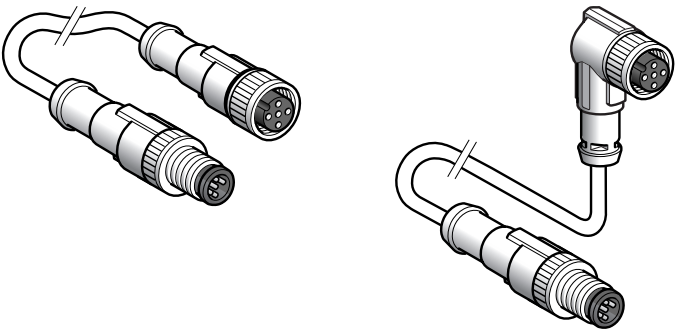
XZCP1041L●

XZCP1141L●

XZCP1241L●



L = 2, 5 or 10 m



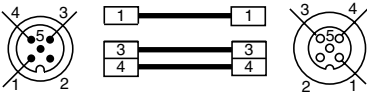
Male connector type		M12, 3-pin, straight	
Female connector type		M12, 3-pin, straight	M12, 3-pin, elbowed
Number of conductors		3	
References			
PVC cable	L = 1 m	XZCRV1511040A1	XZCRV1512040A1
	L = 2 m	XZCRV1511040A2	XZCRV1512040A2
	L = 5 m	—	—
Weight (kg)		0.070 (L = 1 m) 0.100 (L = 2 m)	

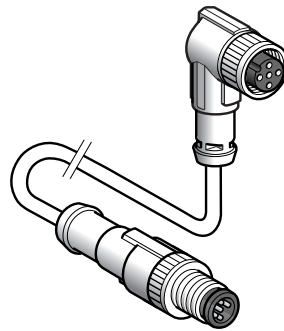
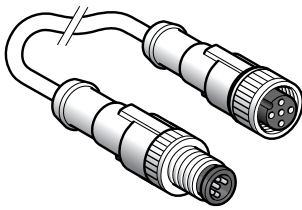
Characteristics		
Certifications		cULus
Connection type		Male and female: screw threaded
Cable material		PVC sheath, PP conductor insulation
Degree of protection		IP 65, IP 67
Ambient air temperature	Static cable	- 25...+ 80°C
	Flexing cable	- 5...+ 80°C
Conductor c.s.a.		3 x 0.25 mm²
Cable diameter		4.6 mm
Nominal voltage		~ 250 V, --- 300 V
Nominal current		3 A
Insulation resistance		> 10 ⁹ Ω
Contact resistance		≤ 5 m Ω

XZCRV1511040A1, XZCRV1511040A2		XZCRV1512040A1, XZCRV1512040A2	

L = 1 or 2 m

Connections			
XZCRV1511040A1, XZCRV1511040A2, XZCR1512040A1, XZCR1512040A2			





M12, 4-pin, straight	
M12, 4-pin, straight	M12, 4-pin, elbowed

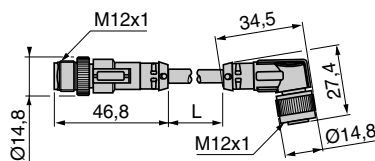
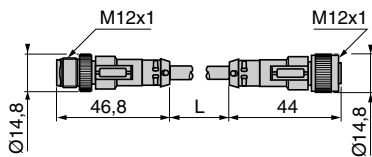
4

XZCRV1511041C1	XZCRV1512041C1
XZCRV1511041C2	XZCRV1512041C2
XZCRV1511041C5	XZCRV1512041C5

0.070 (L = 1 m)
0.110 (L = 2 m)
0.230 (L = 5 m)

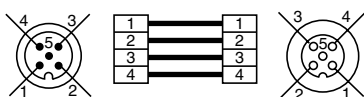
cULus
Male and female: screw threaded
PVC sheath, PP conductor insulation
IP 65, IP 67
- 25...+ 80°C
- 5...+ 80°C
4 x 0.25 mm ²
4.6 mm
~ 250 V, ~ 300 V
3 A
> 10 ⁹ Ω
≤ 5 m Ω

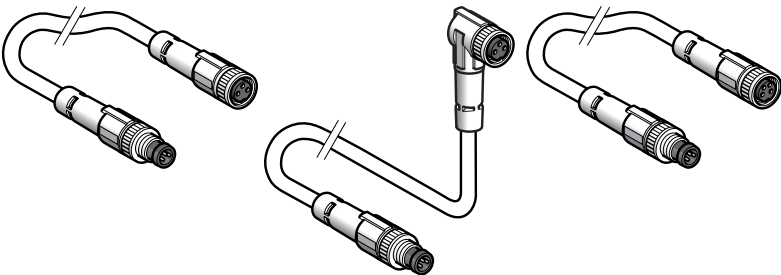
XZCRV1511041C1, XZCRV1511041C2, XZCRV1511041C5	XZCRV1512041C1, XZCRV1512041C2, XZCRV1512041C5
---	---



L = 1, 2 or 5 m

XZCRV1511041C●, XZCRV1512041C●





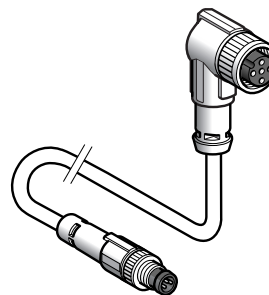
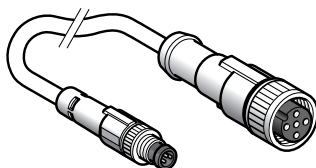
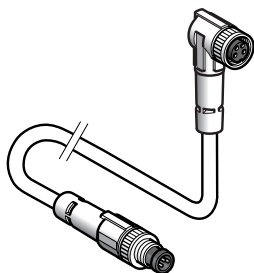
Male connector type	M8, 3-pin, straight		
Female connector type	M8, 3-pin, straight	M8, 3-pin, elbowed	M8, 4-pin, straight
Number of conductors	3	3	3

References				
PUR cable	L = 1 m	XZCR2705037R1	XZCR2706037R1	XZCR2709037S1
	L = 2 m	XZCR2705037R2	XZCR2706037R2	XZCR2709037S2
Weight (kg)	L = 1 m	0.065		
	L = 2 m	0.090		

Characteristics		
Certifications	cULus	
Connection type	Male: screw threaded and clip. Female: screw threaded. Metal clamping ring.	
Cable material	PUR sheath, PP conductor insulation	
Degree of protection	IP 65, IP 67, IP 69K	
Ambient air temperature	Static cable	- 35...+ 90°C
	Flexing cable	- 5...+ 90°C
Conductor c.s.a.	3 x 0.34 mm ²	
Cable diameter	5.2 mm	
Nominal voltage	~ 60 V, ~ 45 V	
Nominal current	4 A	
Insulation resistance	> 10 ⁹ Ω	
Contact resistance	≤ 5 m Ω	

Dimensions		
L = 1 or 2 m		
XZCR2705037R1, XZCR2705037R2	XZCR2706037R1, XZCR2706037R2	XZCR2709037S1, XZCR2709037S2

Connections		
L = 1 or 2 m		
XZCR2705037R1, XZCR2705037R2	XZCR2706037R1, XZCR2706037R2	XZCR2709037S1, XZCR2709037S2



M8, 3-pin, straight

M8, 4-pin, elbowed

M12, 5-pin, straight

M12, 5-pin, elbowed

3

3

3

XZCR2710037S1

XZCR2711037T1

XZCR2712037T1

XZCR2710037S2

XZCR2711037T2

XZCR2712037T2

0.065

0.065

0.065

0.090

0.093

0.093

cULus

Male: screw threaded and clip. Female: screw threaded. Metal clamping ring

PUR sheath, PP conductor insulation

IP 65, IP 67, IP 69K

- 35...+ 90°C

- 5...+ 90°C

3 x 0.34 mm²

5.2 mm

~ 60 V, ~ 45 V

4 A

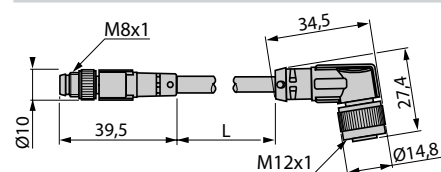
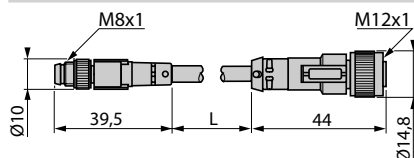
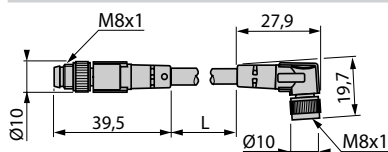
> 10⁹ Ω

≤ 5 m Ω

XZCR2710037S1, XZCR2710037S2

XZCR2711037T1, XZCR2711037T2

XZCR2712037T1, XZCR2712037T2

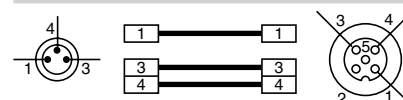
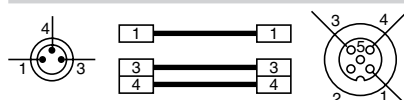


L = 1 or 2 m

XZCR2710037S1, XZCR2710037S2

XZCR2711037T1, XZCR2711037T2

XZCR2712037T1, XZCR2712037T2



X		XZCPV0941L5	16
XUM2AKXBL2T	2	XZCPV1041L10	16
XUM2AKXBM8T	2	XZCPV1041L2	16
XUM2ANXBL2	2	XZCPV1041L5	16
XUM2ANXBL2R	2	XZCPV1141L10	16
XUM2ANXBM8	2	XZCPV1141L2	16
XUM2ANXBM8R	2	XZCPV1141L5	16
XUM2APXBL2	2	XZCPV1241L10	16
XUM2APXBL2R	2	XZCPV1241L2	16
XUM2APXBM8	2	XZCPV1241L5	16
XUM2APXBM8R	2	XZCR2705037R1	20
XUM4ANXBL2	4	XZCR2705037R2	20
XUM4ANXBM8	4	XZCR2706037R1	20
XUM4APXBL2	4	XZCR2706037R2	20
XUM4APXBM8	4	XZCR2709037S1	20
XUM5ANXBL2	4	XZCR2709037S2	20
XUM5ANXBM8	4	XZCR2710037S1	21
XUM5APXBL2	4	XZCR2710037S2	21
XUM5APXBM8	4	XZCR2711037T1	21
XUM6ANXBL2	4	XZCR2711037T2	21
XUM6ANXBM8	4	XZCR2712037T1	21
XUM6APXBL2	4	XZCR2712037T2	21
XUM6APXBM8	4	XZCRV1511040A1	18
XUM8ANXBL2	3	XZCRV1511040A2	18
XUM8ANXBM8	3	XZCRV1511041C1	19
XUM8APXBL2	3	XZCRV1511041C2	19
XUM8APXBM8	3	XZCRV1511041C5	19
XUM9ANXBL2	3	XZCRV1512040A1	18
XUM9ANXBM8	3	XZCRV1512040A2	18
XUM9APXBL2	3	XZCRV1512041C1	19
XUM9APXBM8	3	XZCRV1512041C2	19
XUZA50	5	XZCRV1512041C5	19
XUZASM02	5		
XUZASM03	5		
XUZASM04	5		
XUZASM05	5		
XUZC100	3		
XUZC24	3		
XUZC39	3		
XUZC50	3		
XUZC60S11	3		
XUZDHM05	2		
XUZDHM10	2		
XUZDHM20	2		
XUZDRM05	2		
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XZCP1241L10	17		
XZCP1241L2	17		
XZCP1241L5	17		
XZCPV0941L10	16		
XZCPV0941L2	16		