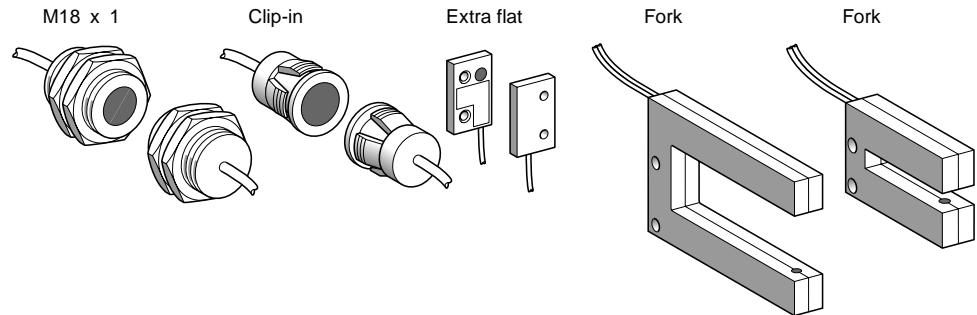


Photo-electric sensors

Osiris® Application, assembly series
Optical heads for amplifiers
Thru-beam system



System	Thru-beam	Thru-beam	Thru-beam	Thru-beam	Thru-beam
Nominal sensing dist. (Sn) with XUV F and XUV ●003530 (response time = L)	6 m	6 m	0.2 m	0.02 m	0.005 m
Nominal sensing dist. (Sn) with XUV ●003530 (response time = H)	2.5 m	2.5 m	0.08 m	0.02 m	0.005 m

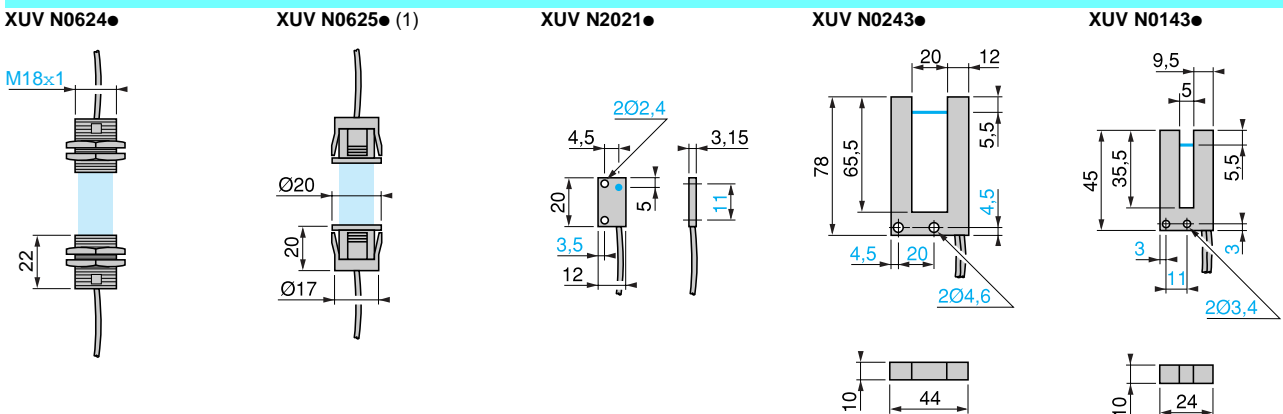
References

Transmitter	XUV N06240	XUV N06250	XUV N20210	–	–
Receiver	XUV N06244	XUV N06254	XUV N20214	–	–
Green transmitter/receiver	–	–	–	XUV N0243G	XUV N0143G
Red transmitter/receiver	–	–	–	XUV N0243R	XUV N0143R
Weight (kg)	0.040	0.040	0.040	0.060	0.040

Characteristics

Ambient air temperature	Operation : - 25...+ 55 °C. Storage : - 30...+ 70 °C					
Vibration resistance	7 gn, amplitude ± 1.5 mm (f = 10...55 Hz), conforming to IEC 60068-2-6					
Shock resistance	50 gn, 3 axes, 3 times, conforming to IEC 60068-2-27					
Degree of protection	IP 66	IP 66	IP 50	IP 67	IP 67	
Connection cable (2)	Diameter	2.4 mm	2.4 mm	1.8 mm	1.8 x 3.6 mm	1.8 x 3.6 mm
	Length	6 m	6 m	2 m	2 m	2 m
	Wire c.s.a.	0.3 mm ² screened	0.3 mm ² screened	0.3 mm ² screened	0.3 mm ² screened	0.3 mm ² screened
Materials	Case : ABS/PC ; cable : PVC					
Diameter of beam	11 mm	11 mm	3 mm	1.5 mm	1.5 mm	

Dimensions



(1) Clips into Ø 18...18.5 mm hole, panel thickness : 2...5 mm.

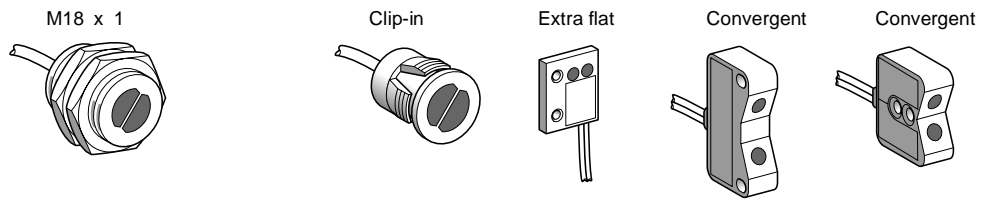
(2) Connection cable to amplifier :

this cable can be shortened in length but not extended and should be kept away from the transmitter cable of thru-beam heads (screened red wire). The transmitter cables can be extended to 15 m, preferably screened.

References of amplifiers: 4
pages 30140/2 and 30140/

Photo-electric sensors

Osiris® Application, assembly series
Optical heads for amplifiers
Reflex and diffuse systems



System	Reflex	Diffuse	Reflex	Diffuse	Diffuse	Diffuse
Nominal sensing dist. (Sn) with XUV F and XUV ●003530 (response time = L)	2 m (with reflector Ø 80 mm)	0.10 m	2 m (with reflector Ø 80 mm)	0.05 m	0.02 m	0.01 m
Nominal sensing dist. (Sn) with XUV ●003530 (response time = H)	1 m (with reflector Ø 80 mm)	0.05 m	1 m (with reflector Ø 80 mm)	0.02 m	0.02 m	0.01 m

References

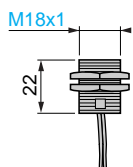
Transmitter/receiver	XUV N0244	XUV N10445	XUV N0245	XUV N05415	–	–
Red transmitter/receiver	–	–	–	–	XUV N02428	XUV N01428
Weight (kg)	0.030	0.030	0.030	0.030	0.035	0.035

Characteristics

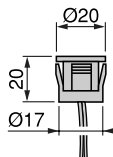
Ambient air temperature	Operation : - 25...+ 55 °C. Storage : - 30...+ 70 °C						
Vibration resistance	7 gn, amplitude ± 1.5 mm (f = 10...55 Hz), conforming to IEC 60068-2-6						
Shock resistance	50 gn, 3 axes, 3 times, conforming to IEC 60068-2-27						
Degree of protection	IP 66	IP 66	IP 50	IP 50	IP 50	IP 50	
Connection cable (2)	Diameter	2.2 x 4 mm	2.2 x 4 mm	1.8 x 3.6 mm	1.8 x 3.6 mm	1.8 x 3.6 mm	1.8 x 3.6 mm
	Length	4 m	2 m	4 m	2 m	2 m	2 m
	Wire c.s.a.	0.3 mm ² screened		0.3 mm ² screened		0.3 mm ² screened	
Materials	Case : ABS/PC ; cable : PVC						
Diameter of beam	11 mm	11 mm	11 mm	3 mm	2 mm	1 mm	

Dimensions

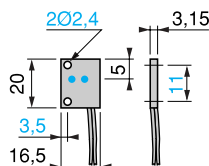
XUV N0244
XUV N10445



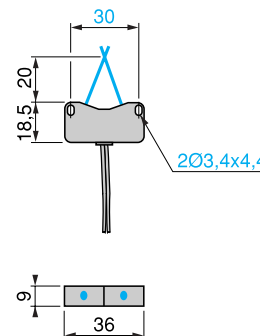
XUV N0245 (1)



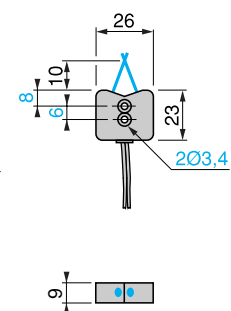
XUV N05415



XUV N02428



XUV N01428



(1) Clips into Ø 18...18.5 mm hole, panel thickness : 2...5 mm.

(2) Connection cable to amplifier : this cable can be shortened in length but not extended and should be kept away from the transmitter cable of thru-beam heads (screened red wire). The transmitter cables can be extended to 15 m, preferably screened.