

XX•18, XUV, and XXV Sensors

Table 20.16: XX•18 Sensors, 1 m Nominal Sensing Distance, 18 mm Diameter, M12 Connector



XXS18P1•M12



XXS18B1•M12, XXS18S1•M12

Body	Output	Catalog Number
Plastic	Discrete	XXS18P1PM12
	4–20 mA	XXS18P1AM12
	0–10 V	XXS18P1VM12
Plastic (with 90° head)	Discrete	XXA18P1PM12
	4–20 mA	XXA18P1AM12
	0–10 V	XXA18P1VM12
Brass	Discrete	XXS18B1PM12
	4–20 mA	XXS18B1AM12
	0–10 V	XXS18B1VM12
Brass (with 90° head)	Discrete	XXA18B1PM12
	4–20 mA	XXA18B1AM12
	0–10 V	XXA18B1VM12
Stainless Steel	Discrete	XXS18S1PM12
	4–20 mA	XXS18S1AM12
	0–10 V	XXS18S1VM12
Stainless Steel (with 90° head)	Discrete	XXA18S1PM12
	4–20 mA	XXA18S1AM12
	0–10 V	XXA18S1VM12

Table 20.17: XUV Label Sensor

Sensing Characteristics	
Nominal Sensing Distance	3 mm (0.12 in.)
Switching Frequency	500 Hz
Power Requirements	
Supply Voltage	12–24 Vdc (10–30 Vdc limits)
Max. Load	100 mA
Environmental	
Operating Temperature Range	+5 to +55 °C (+41 to +131 °F)
Environmental Protection Ratings	IP65, NEMA 4X (indoor use only), 5, 12, 12k, 13
Construction	
Flat Profile Dimensions (W x H x D)	92.5 x 47.3 x 16.0 mm (3.64 x 1.86 x 0.63 in.)
Housing Material	Aluminium
Transducer	Glass Epoxy
Connection	
Precabled (2 m)	XUVU06M3KCNL2
Connector (M8)	XUVU06M3KSNM8



XUV



XXV

Table 20.18: XXV 18 mm Ultrasonic Sensors

Sensing Characteristics		
Nominal Sensing Distance	2 mm to 50.8 mm (0.08 in. to 2.0 in.)	
Switching Frequency	80 Hz	
Power Requirements		
Supply Voltage	12–24 Vdc	
Max. Load	200 mA	
Environmental		
Operating Temperature Range	0 to 60 °C (32 to 140 °F)	
Environmental Protection Ratings	NEMA Type 4 and 13, and IP67	
Construction		
Barrel Dimensions (Ø x L)	18 x 1 x 43.2 mm (0.71 x 0.04 x 1.70 in.)	
Housing Material	Nickel Plated Brass	
Transducer	Glass Epoxy	
Connection		
Cable		
Precabled, PVC (2 m)		
PNP	N.O.	XXV18B1PAL2
	N.C.	XXV18B1PBL2
NPN	N.O.	XXV18B1NAL2
	N.C.	XXV18B1NBL2
Connection		
M12		
PNP	N.O.	XXV18B1PAM12
	N.C.	XXV18B1PBM12
NPN	N.O.	XXV18B1NAM12
	N.C.	XXV18B1NBM12

Table 20.19: Mounting Brackets

Body Type	Catalog No.
M12	9006PA12
M18	9006PA18
M30	9006PA30

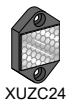


Table 20.20: Sensor Accessories

	Teach Push Button Accessory for Virtu and XX•18 Series Catalog No. XXZPB100
	Python AC/DC Power Converter Catalog No. XXZPM100M12

Table 20.21: Accessories

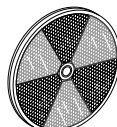
Description	mm	Catalog No.	
Reflectors	24 x 21	XUJZC24	
	Ø 80	XUJZC80	
	50 x 50	XUJZC50	
Material		Catalog No.	
Mounting Brackets for XUB	Die Cast Zinc	XUZA118	
	Plastic	XUZA218	
90°		Straight	
Catalog No.		Catalog No.	
Cables (PUR), 2 m, without LED ^[1] Suitable plug-in female connectors, including pre-wired versions	M8 (4-Pin)	XZCP1041L2	XZCP0941L2
	M12 (4-pin)	XZCP1241L2	XZCP1141L2
	1/2-20UNF	XZCP1965L2	XZCP1865L2
Cables (PVC), 2 m, without LED ^[1] Suitable plug-in female connectors, including pre-wired versions	M8 (4-Pin)	XZCPV1041L2	XZCPV0941L2
	M12 (4-pin)	XZCPV1241L2	XZCPV1141L2
	1/2-20UNF	XZCPV1965L2	XZCPV1865L2



XUJZC24



XUJZC50



XUJZC80



XUZA118



XUZA218



XUZA118



XUZA218

[1] For 5 or 10 meter lengths, replace 2 in the cable catalog number with 5 or 10.