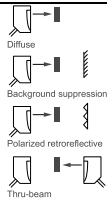


XUM Miniature, XUK and XUX Compact Sensors

Table 20.6: XUM Miniature, XUK and XUX Compact



A single product that adapts to most environments.
For multi-mode models (XUB0, XUM0, XUK0, and XUX0) that are programmable to function as Diffuse, Diffuse/Background Suppression, Polarized Retroreflective, or Thru-Beam Receivers, consult the factory.



Sensors		XUM Miniature Design	XUK Compact Design 50 x 50	XUX Compact Design			
Usable sensing distance	Proximity diffuse (adjustable sensitivity)	1 m (3.28 ft)	1 m (3.2 ft) [7]	2.1 m (6.8 ft)			
	Polarized retroreflective	5 m (16.40 ft)[8]	5 m (16.4 ft) [7]	11 m (36 ft)			
	Retroreflective	—	7 m (23.0 ft) [7]	14 m (46 ft)			
	Thru-beam	15 m (49.21 ft)	30 m (98 ft) [7]	40 m (131.2 ft)			
Mounting (mm)		direct: mounting centers 25.5, M3 screws	direct: mounting centers 40 x 40, M4 screws	direct: mounting centers 30/36 to 40/50/74, M5 screws			
Enclosure: M (metal) P (plastic) / Dimensions (mm) Ø x L or W x H x D		P / 10.8 x 34 x 20	P / 18 x 50 x 50	P / 30 x 92 x 71			
Setup LEDs		⊗	⊗	⊗			
Common characteristics		LED output state indicator and power on LED (⊗): yes					
Sensors for DC Applications (Solid State Output: Transistor)		Catalog No.					
Connection		Precabled, PVC, 2 m	M8 connector	Precabled, PVC, 2 m	M12 connector	Screw terminals, ISO 16 cable gland	M12 connector
Transmitter		XUM2AKCNL2T	XUM2AKCNM8T	XUK2AKSNL2T	XUK2AKSNM12T	XUX0AKSAT16T	XUX0AKSAM12T
Proximity diffuse, adjustable	N.O.	—	—	XUK5APANL2	XUK5APANM12	XUX5APANT16	XUX5APANM12
	N.C.	—	—	XUK5APBNL2	XUK5APBNM12	XUX5APBNT16	XUX5APBNM12
	N.O./N.C. convertible	XUM5APCNL2	XUM5APCNM8	—	—	—	—
Receiver or Transmitter/Receiver, 3-wire PNP [9]	Polarized retroreflective	—	—	XUK9APANL2	XUK9APANM12	XUX9APANT16	XUX9APANM12
	N.C.	—	—	XUK9APBNL2	XUK9APBNM12	XUX9APBNT16	XUX9APBNM12
	N.O./N.C. convertible	XUM9APCNL2	XUM9APCNM8	—	—	—	—
Retroreflective	N.O.	—	—	XUK1APANL2	XUK1APANM12	XUX1APANT16	XUX1APANM12
	N.C.	—	—	XUK1APBNL2	XUK1APBNM12	XUX1APBNT16	XUX1APBNM12
	N.O./N.C. convertible	—	—	XUK2APANL2R	XUK2APANM12R	XUX2APANT16R	XUX2APANM12R
Thru-beam	N.O.	—	—	XUK2APBNL2R	XUK2APBNM12R	XUX2APBNT16R	XUX2APBNM12R
	N.C.	—	—	—	—	—	—
	N.O./N.C. convertible	XUM2APCNL2R	XUM2APCNM8R	—	—	—	—
Supply voltage limits, min/max (V) including ripple		10–30	10–30	10–30	10–30	10–36	10–36
Switching frequency (Hz)		1000	1000	250	250	250	250
Common characteristics for DC versions		indicator (⊗): yes / power on LED (⊗): yes					
Multi-current/multi-voltage sensors for AC/DC applications, 20–264 Vac/Vdc, including ripple (relay output, 1 C/O, 3 A)							
Connection		—	—	Precabled, 2 m	—	Screw terminals, ISO 16 cable gland	—
Transmitter		—	—	XUK2ARCNL2T	—	XUX0ARCTT16T	—
Receiver or Transmitter/Receiver	Diffuse	N.O. + N.C.	—	XUK5ARCNL2	—	XUX5ARCNT16	—
	Polarized retroreflective	N.O. + N.C.	—	XUK9ARCNL2	—	XUX9ARCNT16	—
	Retroreflective	N.O. + N.C.	—	XUK1ARCNL2	—	XUX1ARCNT16	—
Thru-beam		N.O. + N.C.	—	XUK2ARCNL2R	—	XUX2ARCNT16R	—
Switching frequency (Hz)		—	—	20	—	20	—
LED output state indicator (⊗) / power on LED (⊗)		—	—	⊗ / ⊗	—	⊗ / ⊗	—

NOTE: M8 is not Snap-C compatible.
See page 20-2 for suitable plug-in cables with female connectors.

[7] Excess gain of 2.
[8] With XUZC50 reflector.
[9] For version with NPN output, change "P" to "N". For example, XUM5APCNL2 would become XUM5ANCNL2.