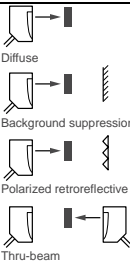



XUK and XUX Compact Sensors

Table 20.6: 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		XUK Compact Design 50 x 50	XUX Compact Design		
Usable sensing distance	Proximity diffuse (adjustable sensitivity)	1 m (3.2 ft) [7]	2.1 m (6.8 ft)		
	Polarized retroreflective	5 m (16.4 ft) [7]	11 m (36 ft)		
	Retroreflective	7 m (23.0 ft) [7]	14 m (46 ft)		
	Thru-beam	30 m (98 ft) [7]	40 m (131.2 ft)		
Mounting (mm)		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 / 18 x 50 x 50	P / 30 x 92 x 71		
Setup LEDs		⊗	⊗		
Sensors for DC Applications (Solid State Output: Transistor)					
Connection		Precabled, PVC, 2 m	M12 connector	Screw terminals, ISO 16 cable gland	M12 connector
Transmitter	Proximity diffuse, adjustable	N.O. XUK2AKSNL2T XUK5APANL2	XUK2AKSNM12T XUK5APANM12	XUX0AKSAT16T XUX5APANT16	XUX0AKSAM12T XUX5APANM12
	Receiver or Transmitter/ Receiver, 3-wire PNP [8]	N.C. XUK5APBNL2 XUK9APANL2 XUK9APBNL2 XUK1APANL2 XUK1APBNL2 N.O. XUK2APANL2R XUK2APBNL2R N.C.	XUK5APBNM12 XUK9APANM12 XUK9APBNM12 XUK1APANM12 XUK1APBNM12 XUK2APANM12R XUK2APBNM12R	XUX5APBNT16 XUX9APANT16 XUX9APBNT16 XUX1APANT16 XUX1APBNT16 XUX2APANT16R XUX2APBNT16R	XUX5APBNM12 XUX9APANM12 XUX9APBNM12 XUX1APANM12 XUX1APBNM12 XUX2APANM12R XUX2APBNM12R
Supply voltage limits, min/max (V) including ripple		10–36	10–36	10–36	10–36
Switching frequency (Hz)		250	250	250	250
Common characteristics for DC versions		Yellow output state LED (except T-beam transmitter): ⊗; Green power LED (T-beam Transmitter only): ⊗			
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	Diffuse	N.O. + N.C. XUK2ARC�L2T XUK5ARC�L2	—	XUX0ARCTT16T XUX5ARCNT16	—
	Receiver or Transmitter/ Receiver	N.O. + N.C. XUK9ARC�L2 XUK1ARC�L2 N.O. + N.C. XUK2ARC�L2R	—	XUX9ARCNT16 XUX1ARCNT16 XUX2ARCNT16R	—
Switching frequency (Hz)		20	—	20	—
Yellow output state LED (except T-beam Transmitter) ⊗ /		⊗ / ⊗	—	⊗ / ⊗	—
Green power LED (T-beam Transmitter only) ⊗		—	—	—	—

NOTE: See Table 20.4 Accessories, page 20-2 for suitable plug-in cables with female connectors.

[7] Excess gain of 2.  
[8] For version with NPN output, change "P" to "N". For example, XUM5APCNL2 would become XUM5ANC�L2.