



Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUK
Sensor design	Compact 50 x 50
Detection system	Polarised reflex
Material	Plastic
Type of output signal	Discrete
Supply circuit type	AC/DC
Wiring technique	5-wire
Discrete output function	1 C/O
Electrical connection	Cable
Cable length	16.4 ft (5 m)
Product specific application	-
Emission	Red polarised reflex
[Sn] nominal sensing distance	19.69 ft (6 m) polarised reflex need reflector XUZC50

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	26.25 ft (8 m) polarised reflex
Output type	Relay
Wire insulation material	PVC
Status LED	1 LED (green) supply on 1 LED (yellow) output state
[Us] rated supply voltage	24...240 V AC/DC
Supply voltage limits	20...264 V AC 20...264 V DC
Switching capacity in mA	3 A (cos ϕ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching frequency	\leq 20 Hz
Voltage drop	\leq 1.5 V (closed state)
Current consumption	\leq 35 mA (no-load)
Power consumption in W	2 W AC
Delay first up	$<$ 60 ms
Delay response	$<$ 25 ms
Delay recovery	$<$ 25 ms
Setting-up	Without sensitivity adjustment
Electrical durability	500000 cycles, cos ϕ = 1, 60 cyc/mn at 250 V
Depth	1.97 in (50 mm)
Height	1.97 in (50 mm)
Width	0.71 in (18 mm)
Product weight	0.33 lb(US) (0.15 kg)

Environment

product certifications	CE Ecolab
ambient air temperature for operation	-13...131 °F (-25...55 °C)
ambient air temperature for storage	-40...158 °F (-40...70 °C)

vibration resistance	7 gn, amplitude = +/- 1.5 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
shock resistance	30 gn (duration = 11 ms) conforming to IEC 60947-5-2
IP degree of protection	IP65 double insulation conforming to IEC 60529

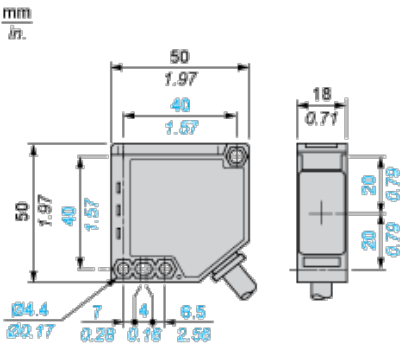
Offer Sustainability

Not Green Premium product	Not Green Premium product
Compliant - since 0841 - Schneider Electric declaration of conformity	Compliant - since 0841 - Schneider Electric declaration of conformity
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

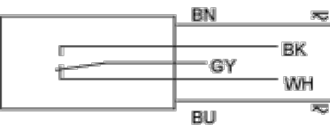
Warranty period	18 months
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Dimensions



Wiring Schemes

Relay Output



BN : Brown

BU : Blue

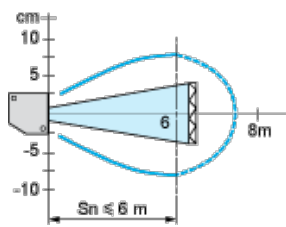
NO/BK :Black

Relay Grey

common/GY :

NC/WH :White

Detection Curves



With reflector XU5C50