

CONTRAST SENSOR

SELECTION GUIDE

CNTX AND CMYX



CNTX-30-TP
CNTX-30-TP-2M
CNTX-35-TP
CNTX-30-T
CNTX-30-O
CNTX-05-O
CMYX-05-O

LIGHT SOURCE	White LED 400...700 nm	•	•	•	•	•	•
SPOT DIAMETER	3mm @ 28mm	•	•				
	1mm @ 28mm			•			
	0.5mm @ 28mm					•	•
RECEIVER	Photodiode	•	•	•	•	•	•
SENSING RANGE	28mm +/- 3mm	•	•	•	•	•	•
RECOMMENDED SENSING DISTANCE	28 mm	•	•	•	•	•	•
RESPONSE TIME	25uS	•	•	•	•	•	•
SWITCHING FREQUENCY	40kHz	•	•	•	•	•	•
ANALOG OUTPUT	0...5V	•	•	•	•	•	
DISPLAY	0...50					•	•
	0...99						•
TEACH	Mark and background	•	•	•	•		
MANUAL ADJUSTMENTS						•	•
LED INTENSITY	LED intensity, 3 settings					•	•
THRESHOLD ADJUSTMENT	Over full range					•	•
HYSTERESIS	0...9 steps below threshold					•	•
OUTPUT PULSE STRETCH	0, 10, 20...90mS					•	•
OUTPUT FUNCTION	NO,NC					•	•
DISCRETE OUTPUT	Auto select, NPN/PNP	•	•	•	•	•	•
CURRENT (MAX.)	100 ma	•	•	•	•	•	•
VOLTAGE (MAX.)	Sensor V+	•	•	•	•	•	•
PROTECTION	Short-circuit, transient, EMI	•	•	•	•	•	•
MIN. PULSE DURATION	0, 10, 20...90					•	•
INDICATOR	Red – detect				•	•	•
	Amber - detect	•	•	•			
	Green – power	•	•	•	•	•	•
SECURITY	LOCK/UNLOCK keypad					•	•
POWER	12...24 VDC @ 60mA (max.)	•	•	•	•	•	•
PROTECTION	Reverse polarity, over current (PTC fuse)	•	•	•	•	•	•
DIMENSIONS	2" (51mm) x 2.4" (61mm) x 1" (25mm)	•	•	•	•	•	•
WEIGHT	95g (0.21 lbs.)	•	•	•	•	•	•
HOUSING MATERIAL	Plastic	•	•	•			
	Metal alloy				•	•	•
TYPE OF PROTECTION	IP65	•	•	•	•	•	•
OPERATING TEMPERATURE	-10...55°C	•	•	•	•	•	•
STORAGE TEMPERATURE	-20...70°C	•	•	•	•	•	•
I/O CABLE	2 meter		•				
I/O CONNECTOR	Circular M12, 4 pin, IP67	•		•			
I/O CONNECTOR	Circular M12, 5 pin, IP67				•	•	•

