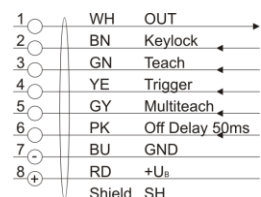
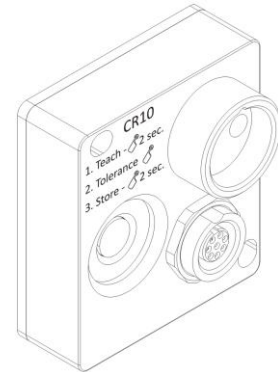


CROMLAVIEW® CR10

Color Sensor

Technical Data

Sensing channels	1 Sensing channel 1 internal stabilization channel
Drift stabilization	CROMLASTAB®
Receiving detector	Three range photo diode
Sensitivity steps	7 × automatic
Receiving signal resolution	3 × 4096 steps
Object illumination	Power white light LED 420 - 750 nm
Color Space	L*a*b*
Interface	8 pin 1 Switching output, <ul style="list-style-type: none"> • 200mA, push-pull • Short circuit-proof, short circuit detection • Capacitive load < 100 nF 5 control inputs: <ul style="list-style-type: none"> • Trigger • Teach-In • Keylock • Multiteach • Off Delay 50ms
Display	1 LED in button, Blinking (2 Hz): Tolerance level indication or multiteach Blinking (5 Hz): Understeering in teach-mode Blinking (10 Hz): Indication of output short circuit LED on: Color recognized
Input	1 button for Teach-In
Teach-Modes	Tolerance-mode Multiteach-mode
Tolerance level/-modes	5 levels (3, 6, 9, 15, 30 ΔE_{Lab}) automatic tolerance in multiteach-mode
Color resolution	$\Delta E_{Lab} < 1$
Response time	500 μ s
Off-Delay	0 ms / 50 ms
Hysteresis	10 %
Protection standard	IP 67
Power supply	10 ... 28 VDC, maximal 500 mA
Temperature range	-15 °C ... 55 °C
Coupling in signal path	Via optical fiber
Housing material	Aluminum, anodized
Housing size	41 mm × 46 mm × 22 mm
Weight	55 g
Reverse polarity protection	Yes
Ambient light immunity	Up to 15 kLux
Working distance with standard fiber	Up to 25 mm



Scheme of connection