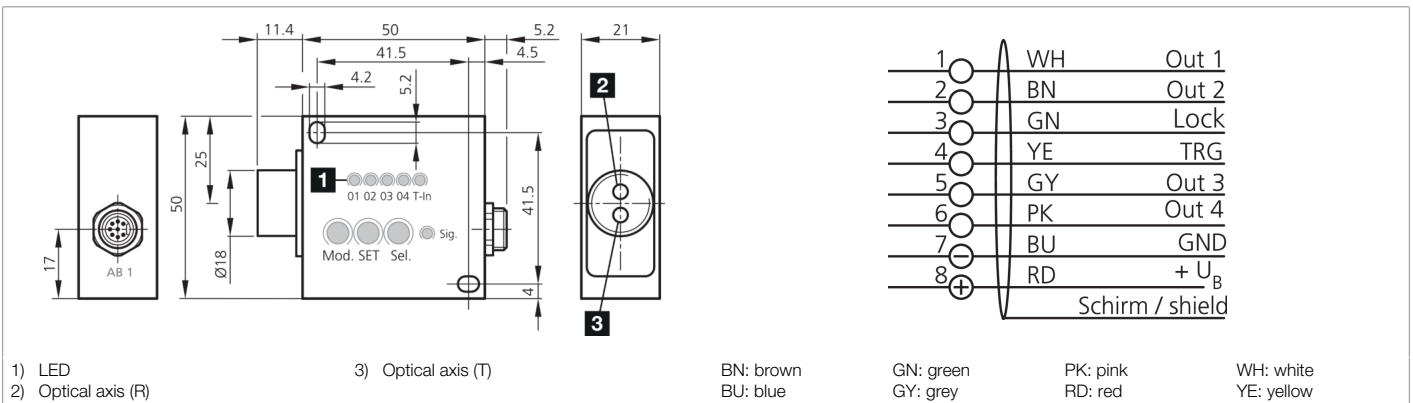




207788
FSB 50 M 60 G3-B8
Color sensor

- Fixed optics, large range
- 4-channel, teach-in for many standard applications
- Very short response time
- Adjustable color tolerance
- Distinction of smallest shade nuances
- High ambient light compensation
- Integrated long-term stability
- Status display via LEDs
- Key lock function



Function

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Technical data (typ.)

+20°C, 24 V DC

Service voltage	18 ... 28 V DC
No-load current (max.)	500 mA
Housing dimensions	50 x 50 x 21 mm
Housing length	21 mm
Housing height	50 mm
Housing width	50 mm
Fiber-optic cable connection / fixed optics	Fixed optics
Housing material	Aluminum (Anodized)
Protection class	III, operation on protective low voltage
Operating mode	<ul style="list-style-type: none"> ■ Continuous ■ External triggering
Color memory internal	4
Number of measuring channels	1
Color channels of sensor	4 (Teachable via keys)
Scanning block	Lock (+24 V DC)
Color space mode	L*a*b* (Body colors)
Detection modes	<ul style="list-style-type: none"> ■ Minimum spacing (Assignment of the measured color to the stored color with the smallest color difference) ■ Check sphere (Check whether the measured color is within a specified tolerance)
Trigger input	TRG (+24 V DC)
Switching output	pnp+npn (4x), < 100 mA
Voltage drop (max.)	2 V
Pulse stretching	0 ms / 50 ms (selectable)
Light source	LED



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Color sensor

Technical data (typ.)	+20°C, 24 V DC
Color	White
Light spot size	5 ... 10 mm
Color resolution	DE Lab < 1
Ambient light compensation	dynamic
Range	30 ... 60 mm
Switching hysteresis (max.)	10 %
Tolerance ranges	5 selectable by keys
Operating elements	3
Display	LED (Channel state (4x), programming (5x))
Response time / scanning frequency	10 ms / 100 Hz or 1 ms / 1,000 Hz, parametrierbar
Ambient temperature during operation	-10 ... +55 °C
Protection type	IP 54
Connection	Connector, M9, 8-pin
More information / accessories	https://www.di-soric.com/207788