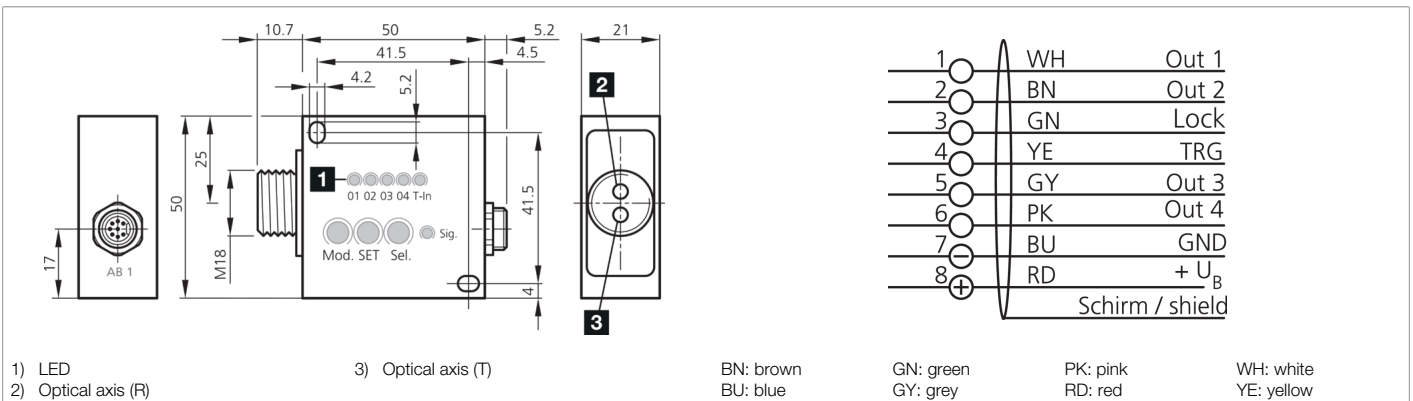




207787
FSB 50 M G3-B8
Color sensor

- Extensive range of fiber optic cables
- 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										

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		M18 x 1	
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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Technical data (typ.)	+20°C, 24 V DC
Color	White
Light spot size	Dependent on focus optics
Color resolution	DE Lab < 1
Ambient light compensation	dynamic
Range	Dependent on fiber-optic cable
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/207787