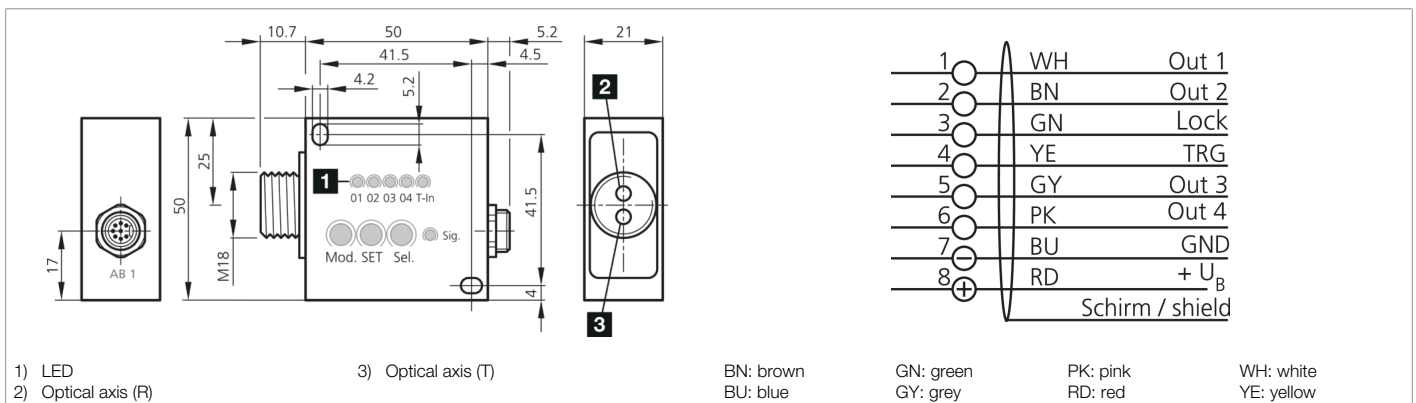




**207787**  
**FSB 50 M G3-B8**  
**Color sensor**

- 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"> <li>■ Continuous</li> <li>■ External triggering</li> </ul>
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"> <li>■ Minimum spacing (Assignment of the measured color to the stored color with the smallest color difference)</li> <li>■ Check sphere (Check whether the measured color is within a specified tolerance)</li> </ul>
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



**207787**  
**FSB 50 M G3-B8**  
**Color sensor**

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	<a href="https://www.di-soric.com/207787">https://www.di-soric.com/207787</a>