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# AUER SIGNAL SERIES 50 SMART DOT BEACON

SD50-GYR and SD50-MC7

SD50-GYR-W
SD5B3 Smart Dot 50 Basic Tricolor White




- High brightness, colour brilliance and energy efficiency
- Excellent homogeneous and flexible colour signalling
- Multiple animation modes
- Smart Protection
- IP66, IP67, IP69, IP69K and IP6K9K, and an impact resistance of IK08

### PRODUCT DESCRIPTION

The **Smart Dot 50** from **Auer Signal** is a high-performance signal light developed for machine panels, automation systems, and demanding industrial environments where clear, reliable status indication is essential.
Available in three- or seven-colour versions, the Smart Dot 50 offers versatile lighting modes to suit a wide range of applications. The standardized M12 5-pin connector ensures fast, safe installation—reducing wiring time, minimizing downtime, and simplifying integration into existing systems.
Delivering up to four times the brightness of comparable products, the Smart Dot 50 guarantees excellent visibility even in bright ambient conditions. Its superior color rendering ensures clear signal recognition, while energy-efficient LED technology keeps power consumption low—making it ideal for applications where efficiency matters.
Intelligent power management actively controls and limits inrush current, protecting PLC outputs and sensitive electronics from unnecessary stress. Integrated temperature monitoring regulates operation to prevent overheating, extending service life and enhancing operational reliability. The unit is also designed to withstand high leakage currents, ensuring dependable performance in complex or interference-prone electrical systems.

With its compact footprint, robust construction, and advanced functionality, the Auer Smart Dot 50 is suitable for a broad range of industries—from machine building and intralogistics to automotive manufacturing and building automation. Engineered for durability and performance, it delivers reliable signaling even in the most demanding environments.

# TECHNICAL DATA

## GENERAL DATA

| | |
|---|---|
| **Lens colour** | White |
| **Light type** | Green LED, Yellow LED, Red LED |
| **Light source** | LED |
| **Housing Colour** | White |
| **Mounting** | Panel mount, Panel mount Ø22 mm |

## RATED OPERATING CONDITIONS

| | |
|---|---|
| **Nominal Supply Voltage** | 18-30 V DC |
| **Lamp power** | 1.45 W |

| | |
|---|---|
| **Operational temperature** | -40 °C - +70 °C |

## DIMENSIONS

| | |
|---|---|
| **Height** | 65 mm |
| **Diameter** | 50 mm |
| **Width** | 50 mm |
| **Weight** | 47 g |

## ADDITIONAL DATA

| | |
|---|---|
| **IP class** | IP66, IP67, IP69, IP6K9K |
| **IK class** | 8 |

| | |
|---|---|
| **Supply voltage dc max** | 30 V DC |
| **Supply voltage dc min** | 18 V DC |
| **Temperature operational min** | -40 °C |
| **Temperature operational max** | 70 °C |
| **Life span** | 60000 h |