

SD50 Smart Dot 50 Basic

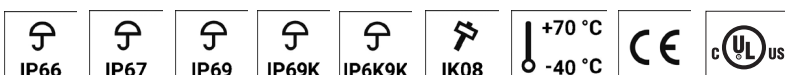
- Extreme brightness, color brilliance and energy efficiency
- Excellent homogeneous and flexible signaling with up to 3 colors
- Up to 10 animations: steady, flash, beat, multiflash, color-alternation, high intensity beat and ECO modes
- Active Thermal Control & Active Inrush Current Control



TECHNICAL DATA

Housing	Polycarbonate, UV stabilized, black, white or stainless steel
Lens	Polycarbonate, UV stabilized, opal white
Type of mounting	M22 mounting with 5-pin plug M12 connector
Nominal power consumption	1,45 W
Inrush current	0,5 A
Leakage current resistance	1 mA
Power up time	< 10 ms
Beacon type	Multifunction beacon
Light source	LED
Duty cycle	0 ... 100 %
Service life	60.000 h

Operating temperature	-40 °C / +70 °C CE, -40 °C / +50 °C UL
Degree of protection	IP66 / IP67 / IP69 / IP69K / IP6K9K & UL Type 4/4X
Impact resistance	IK08
Shock vibration resistance	- IEC 60068-2-6 (Vibration: 10 Hz to 55 Hz, 1.0 mm amplitude, 5 minutes sweep, 30 minutes dwell) - IEC 60068-2-27 (Shock: 30G 11 ms duration, half sine wave) - MIL-STD-202F, Method 201A (Vibration: 10 Hz to 60 Hz maximum, 0.06 inch [1.52 mm] double amplitude, 10G maximum acceleration) - IEC 60947-5-2 (Shock: 30G 11 ms duration, half sine wave)
Weight	47 g (black/white housing)



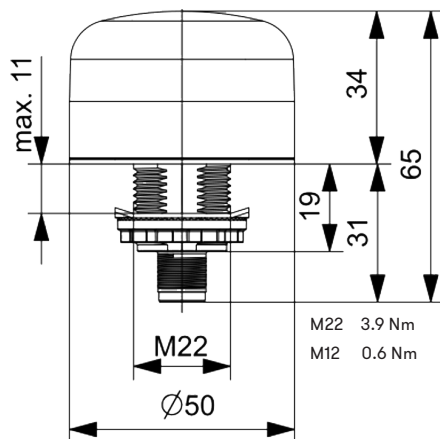
PRODUCT COMPARISON SMART DOT 50

Feature Lines	Basic	Standard	IO-Link
Voltage	18-30 V DC	10-30 V DC	18-30 V DC
Colors	1-3 colors Green/Yellow/Red/White/Blue/Amber	7 colors Green/Yellow/Red/White/Blue/Cyan/ Magenta	15 colors
Candela*	Green: 21 Cd Yellow: 18 Cd Red: 6,4 Cd White: 20 Cd Blue: 3 Cd Amber: 18 Cd	Green: 6,2 Cd Yellow: 5,2 Cd Red: 2,2 Cd Blue: 1,5 Cd White: 5 Cd Cyan: 5,5 Cd Magenta: 0,85 Cd	Green: 6,2 Cd Yellow: 5,2 Cd Red: 2,2 Cd Blue: 1,5 Cd White: 5 Cd Cyan: 5,5 Cd Magenta: 0,85 Cd
LED Type	Discrete	RGB	RGB
LED Lifetime	60.000 h (L50B10)	50.000 h (L50B10)	50.000 h (L50B10)
Number of animation modes	Monocolor: 10 animation modes Bicolor: 7 animation modes Tricolor: 5 animation modes	Up to 3 animation modes	15 animation modes
Animation modes	Steady, flash, beat, multiflash, color alternation, high intensity beat, steady/flash/beat/multiflash/high intensity beat ECO mode	Steady, color alternation, high intensity beat	IO-Link Standard
Touch Button (optional)	x	x	x
Touch haptic feedback (optional)		x	x
Housing color	Black, white, stainless steel	Black, white, stainless steel	Black, white, stainless steel
Nominal power	Up to 1,45 W	Up to 1,32 W	Up to 1,32 W
Features			
Active Thermal Control	x	x	x
Active Inrush Current Control	x	x	x
Smart Diagnostics		x	
Smart Control		Coming soon	
Polarity	PNP/NPN	PNP/NPN	PNP

* thermally stabilized at room temperature

SD5B

DIMENSION DRAWING



ORDER DATA SMART DOT 50

Type	Part number	Feature Line	Colors	Housing Color
SD5B1	SD50-G	Basic	Green	Black
SD5B1	SD50-R	Basic	Red	Black
SD5B1	SD50-A	Basic	Amber	Black
SD5B1	SD50-B	Basic	Blue	Black
SD5B1	SD50-W	Basic	White	Black
SD5B2	SD50-GR	Basic	Green/Red	Black
SD5B2	SD50-GY	Basic	Green/Yellow	Black
SD5B2	SD50-GW	Basic	Green/White	Black
SD5B2	SD50-AW	Basic	Amber/White	Black
SD5B3	SD50-GYR	Basic	Green/Yellow/Red	Black
SD5B3	SD50-GYR-W	Basic	Green/Yellow/Red	White
SD5B3	SD50-GRB	Basic	Green/Red/Blue	Black
SD5B3	SD50-GRW	Basic	Green/Red/White	Black
SD5B3	SD50-GYB	Basic	Green/Yellow/Blue	Black
SD5B3	SD50-GYW	Basic	Green/Yellow/White	Black
SD5B3	SD50-GBW	Basic	Green/Blue/White	Black
SD5S7	SD50-MC7	Standard	Green/Yellow/Red/Blue/White/Cyan/Magenta	Black
SD5S7	SD50-MC7-W	Standard	Green/Yellow/Red/Blue/White/Cyan/Magenta	White