SI50 Smart Indicator 50 Basic

- Exceptional brightness, vivid color output, and energy efficiency
- Excellent homogeneous and flexible tricolor-signaling
- 5 animation modes: steady, flash, color-alternation, high intensity beat and steady ECO
- Active Thermal Control & Active Inrush Current Control
- Nominal voltage 18-30 V DC

TECHNICAL DATA

Housing	UV-stabilized Polycarbonate (black, white) or stainless steel (AISI 303)
Lens	UV-stabilized Polycarbonate, opal white
Type of mounting	M22 mounting with 5-pin plug M12 connector
Nominal power (24V)	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
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	91 g (black/white), 209 g (stainless steel)

IP66 IP67 IP69 IP69K IP6K9K IK08 +70 °C -40 °C CE cULus

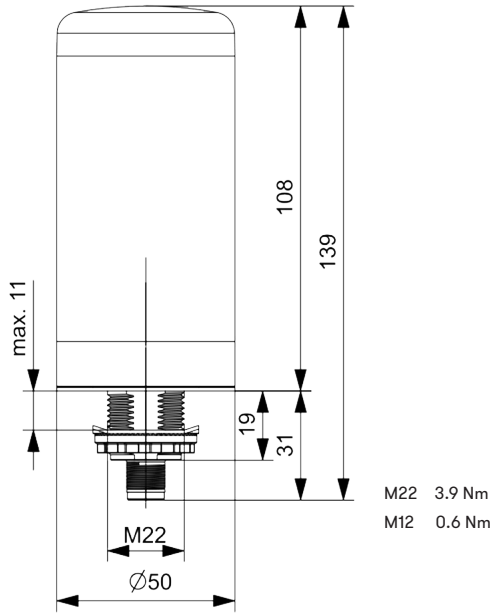
PRODUCT COMPARISON SMART INDICATOR 50

Feature Lines	Basic	Standard	IO-Link
Voltage	18-30 V DC	10-30 V DC	18-30 V DC
Colors	3 colors Green/Yellow/Red/Blue/White/Amber	7 colors Green/Yellow/Red/Blue/White/Cyan/ Magenta	15 colors
Candela*	Green: 12 Cd Yellow: 10,3 Cd Red: 3,7 Cd	Green: 11 Cd Yellow: 9,3 Cd Red: 4,5 Cd	Green: 11 Cd Yellow: 9,3 Cd Red: 4,5 Cd
LED Type	Discrete	RGB	RGB
LED Lifetime	60.000 h (L50B10)	50.000 h (L50B10)	50.000 h (L50B10)
Number of animation modes	5 animation modes	3 animation modes	15 animation modes
Animation modes	Steady, flash, color alternation, high intensity beat, steady ECO	Steady, color alternation, high intensity beat	IO-Link Standard
Housing color	Black, white, stainless steel	Black, white, stainless steel	Black, white, stainless steel
Nominal power (24V)	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	
Polarity	PNP/NPN	PNP/NPN	PNP

* thermally stabilized at room temperature

SI5B

DIMENSION DRAWING



ORDER DATA SMART INDICATOR 50

Type	Part number	Feature Line	Colors	Housing Color
SI5B3	SI50-GYR	Basic	Green/Yellow/Red	Black
SI5B3	SI50-GYR-W	Basic	Green/Yellow/Red	White
SI5B3	SI50-GYR-S	Basic	Green/Yellow/Red	Stainless Steel

SA5B

SA5BF

SA5QM

SA5MR

CM12

SA5MV

SA5T

ADM30

ACCESSORIES

Type	Order number	Type of accessory
SA5B	SA50B90	M22 bracket 90° stainless steel
SA5BF	SA50BF	M22 bracket flat stainless steel
SA5QM	SA50-QM100	M22 quick foot mount 100 mm
SA5QM	SA50-QM250	M22 quick foot mount 250 mm
SA5QM	SA50-QM400	M22 quick foot mount 400 mm
SA5MR	SA50-MR100	M22 retrofit foot mount 100 mm
CM12	CM12-5-A-05	Sensorcable, 5 pin, free cable end, on socket straight M12, coding: A, cable length: 0,5 m
CM12	CM12-5-A-1	Sensorcable, 5 pin, free cable end, on socket straight M12, coding: A, cable length: 1,0 m
CM12	CM12-5-A-2	Sensorcable, 5 pin, free cable end, on socket straight M12, coding: A, cable length: 2,0 m
SA5MV	SA50-MV100	Wall mount 100 mm
SA5T	SA50-TLP	Mounting tulip
ADM30	812500900	Adapter for M30.5 for 30.5 mm holes