PSD-SL RGB/TB-P - Combined signaling device

1691146

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LED signal light with touch function, 6 colors, 1 output, 24 V DC, point design

Product description

The signal light with integrated touch function is intended for signaling functional states and enables interaction with the machine or system. The adaptive touch sensitivity, which adapts to the ambient conditions, ensures high reliability. The multi-colored LED signal light has a robust, UV-resistant housing with an M22 thread for mounting. The device is connected via a 5-pos. M12 connector and can be controlled with positive or negative switching.

Your advantages

- Function-oriented signaling
- Ambient-adaptive touch sensor
- Clear identification of system states
- Quick and easy mounting and installation
- Rugged design

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1691146
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR08
Product key	DRL112
GTIN	4067923252868
Weight per piece (including packing)	67.5 g

Weight per piece (excluding packing)	48 g
Customs tariff number	85318070
Country of origin	AT

Technical data

Product properties

Product type	Signaling device
Product family	PSD-SL

Electrical properties

Switch-on time	< 10 ms (optical)
	< 40 ms (Touch function)
Power consumption	max. 1.35 W

Supply

Supply voltage (DC)	24 V DC
Supply voltage range	10 V DC ... 30 V DC
Pulse current	max. 245 mA
Leakage current	1 mA
Inrush current	0.5 A

Output data

Leakage current	1 mA

Digital:

Output name	Digital output
Number of outputs	1 (Touch sensor)
Output voltage	0 V (or 24 V DC, see reference potential at pin 3)
Output current	max. 150 mA

Connection data

Connection method	M12 connector, 5-pos.

Signaling

Signal element type	optical
Type of optical signal	Permanent light
	Triple flash

Light properties

Source of light type	LED
Service life, lighting appliance	50000 h
Luminous intensity	4.3 Cd (green)
	4.3 Cd (amber)
	1.6 Cd (red)
	3.9 Cd (white)
	3.9 Cd (cyan)
	0.7 Cd (magenta)

Dimensions

Item dimensions

Height	65 mm
Diameter	50 mm

Calotte

Height	34 mm

Material specifications

Color (Housing)	black (RAL 9005)
Color (Calotte)	Transparent white
Material	Polycarbonate (UV stabilized)

Mechanical tests

Vibration resistance in accordance with EN 60068-2-6/IEC 60068-2-6	: 0.4 g ... 12 g, 10 Hz ... 55 Hz, amplitude 1.0 mm, sweep 5 min., dwell time 30 min.
Vibration resistance in accordance with MIL-STD-202F	: 10g
Shock in accordance with EN 60068-2-27/IEC 60068-2-27	: 30g, 11 ms period, half-sine shock pulse

Environmental and real-life conditions

Ambient conditions

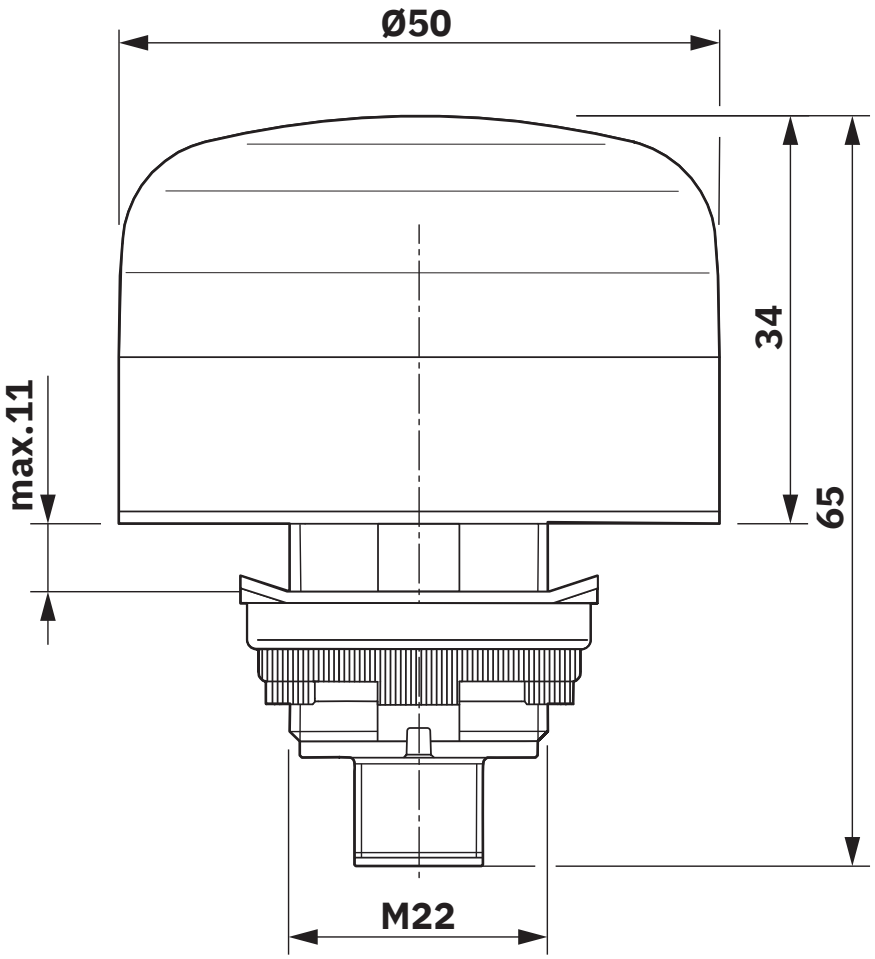
Degree of protection (IP)	IP66
	IP67
	IP69
	IP6K9K (In accordance with ISO 20653)
Degree of protection (IK)	IK08 (Impact resistance level)
Degree of protection (UL type)	UL Type 4
	UL Type 4X
Ambient temperature (operation)	-40 °C ... 70 °C

Mounting

Mounting type	Single-hole mounting (M22 thread)
Mounting position	any

Drawings

Dimensional drawing



Dimensions (in mm)

Approvals

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cULus Listed
Approval ID: E140324

Classifications

ECLASS

ECLASS-13.0	27371220
ECLASS-15.0	27371220

ETIM

ETIM 10.0	EC000232

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-25
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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