Indicator

PSE M30 AE RI Indicator (Lettering possible)

PSE M30 AE AI Indicator

See below:
Approvals and Compliances

Description

- The indicators are available with lettering, ring illumination or area illumination
- RGB, RGY: flexible input voltage from 5 - 28 VDC at constant brightness
- With color combination RGB and RGY
- 7 possible colors with RGB configuration
- 3 possible colors with RGY configuration
- Can be combined with the available piezo switch variants
- Flexible wire connection

Unique Selling Proposition

- Variety of design options regarding size, colour, material and connections
- High reliability, long lifetime
- With RGB or RGY ring illumination or area illumination

Characteristics

- For use in harsh environments, both indoors and outdoors (see technical data)

References

Alternative: Other diameter
Alternative: switch normal operation:

Weblinks

pdf data sheet, html datasheet, General Product Information, CAD-Drawings, Product News, Detailed request for product, Microsite

Technical Data

Electrical Data	
ESD-protection-classs	8 kV Class 3B
Supply Voltage	Point Illumination without series resistor
Supply Voltage RGB	5 - 28 VDC

Mechanical Data	
Mounting screw torque	2.5 Nm
Shock Protection	IK02
Climatical Data	
Operating Temperature	-40 to 85 °C
Storage Temperature	-40 to 85 °C
IP-Protection	IP67 acc. to IEC 60529, IP69K acc. to DIN 40050-9
Environmental Assessment	+55°C / 93% r.h. acc. to DIN EN 60068-2-30
Salt Spray Test (acc. to DIN 50021-SS)	24 h / 48 h / 96 h Residence Time
Material	
Housing	Aluminium anodized
Seal Ring	NBR70
Nut	Steel galvanized

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
	Suitable for applications acc.	MIL-STD:	202F Method 107G, 202F Method 204D, 202F Method 213B, 416D Method RS103, 810E Method 501.3, 810E Method 502.3, 810E Method 507.3
VDE	Suitable for applications acc.	VDE Certificate Number:	DIN EN 61000-4-2, DIN EN 61000-4-4, DIN EN 61000-4-5
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

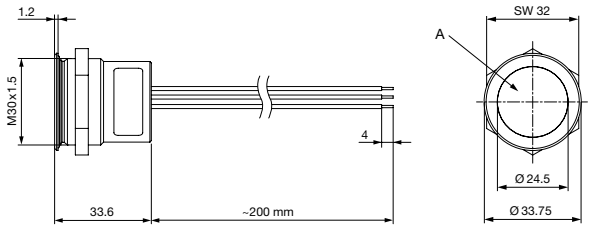
Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
RoHS COMPLIANT	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

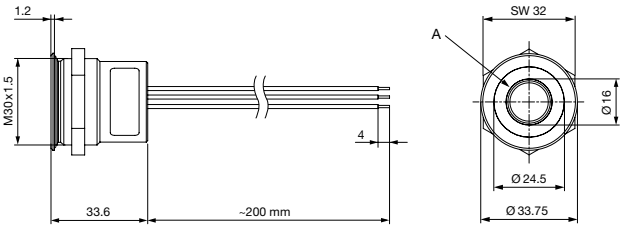
Dimension [mm]

PSE AE M30 Area Illumination



A = Illumination Area

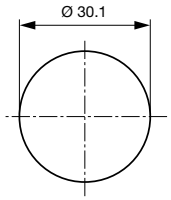
PSE AE M30 Ring Illumination



A = Illumination Area

Dimension

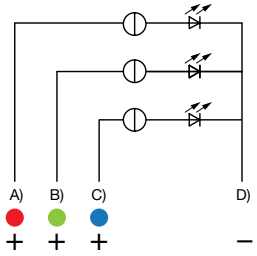
PSE M30



Drilling diagram

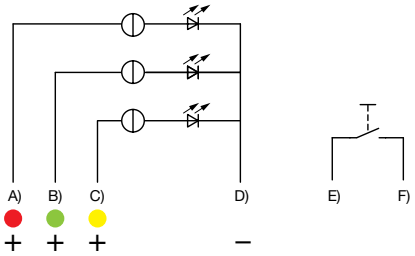
Diagrams

PSE AE RGB



A) Cable 1 (color of the LED), Supply voltage
B) Cable 2 (color of the LED), Supply voltage
C) Cable 3 (color of the LED), Supply voltage
D) Cable 4 (black), Common mass

PSE M22 / M30 RI RGY



A) Cable (color of the LED), Supply voltage
B) Cable (color of the LED), Supply voltage
C) Cable (color of the LED), Supply voltage
D) Cable (black), Common mass
E) Cable (white), Input and output MCS switch
F) Cable (white), Input and output MCS switch

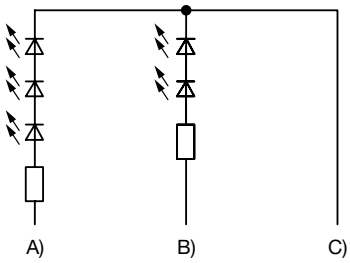
Illumination options for RGB

Lighting type	Active terminal A) ●	Active terminal B) ●	Active terminal C) ●	Resulting Color
Multicolor Singlecolor	A			Red ●
Multicolor Singlecolor		B		Green ●
Multicolor Singlecolor			C	Blue ●
Multicolor RGB Additive 2	A	B		Yellow ●
Multicolor RGB Additive 2	A		C	Magenta ●
Multicolor RGB Additive 2		B	C	Cyan ●
Multicolor RGB Additive 3	A	B	C	White ○

Illumination options for RGY

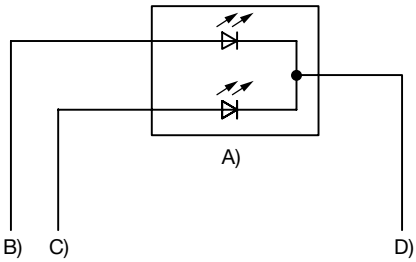
Lighting type	Active terminal A) ●	Active terminal B) ●	Active terminal C) ●	Resulting Color
Multicolor Singlecolor	A			Red ●
Multicolor Singlecolor		B		Green ●
Multicolor Singlecolor			C	Yellow ●

Ring and Area Illumination 12/24 VDC



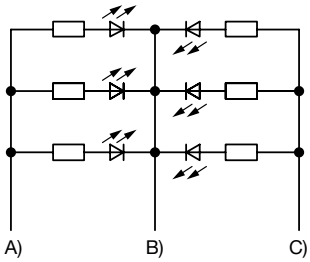
A) Cable 1 (color of the LEDs), Supply voltage first LED group
B) Cable 3 (color of the LEDs), Supply voltage second LED group
C) Cable 2 (black), Common mass of both LED groups

PSE AE PI



A) Double-LED (2 colors, 3 pins) or simple LED (2 pins)
B) Cable 1 (color 1 of the LED), Supply voltage
C) Cable 2 (color 2 of the LED), Supply voltage
D) Cable 3 (black), Mass

Ring and Area Illumination 5 VDC



A) Cable 1 (color of the LEDs), Supply voltage first LED group
B) Cable 2 (black), Common mass of both LED groups
C) Cable 3 (color of the LEDs), Supply voltage second LED group

Point Illumination

Operating Data	Forward Current max.	Forward Voltage at 10 mA	Forward Voltage max.
LED red	25 mA	2.1 VDC	2.5 VDC
LED green	25 mA	2.05 VDC	2.5 VDC
LED yellow	30 mA	2.0 VDC	2.5 VDC
Attentioin: Point illuminated Indicators are deliverd without series resistor.			

All Variants

Mounting Diameter [mm]	Terminal	Housing Material, Torsion Protection	Colour of Housing	Surface Finish	Shock Protection	Illumination, LED	Config. Code	Order Number
30	Flexible wire connection	Aluminium anodized ,no	nature	E	IK02	Area illumination, red / green, 24 VDC	PSE M 30 AE	1241.3532
30	Flexible wire connection	Aluminium anodized ,no	nature	E	IK02	Area illumination, RGB, 5 - 28 VDC	PSE M 30 AE	1241.3671
30	Flexible wire connection	Aluminium anodized ,no	nature	E	IK02	Area illumination, RGY, 5 - 28 VDC	PSE M 30 AE	1241.3672

Legende:
Type: PSE
AE = Indicator
RU = PI = Point Illumination
RI = Ring Illumination
AI = Area Illumination
Alu = Aluminium
ES = Stainless stee
IF = Finger guidance
E = without finger guidance

Nut with gasket are enclosed in the box.

Other mounting diameters, materials, colors, connections, supply voltages possible available on request.
Special materials e.g. Marine grade stainless steel for use in salt and chlorinated environment on request.

5 VDC and 12 VDC RI variants on request (MOQ 500 pieces)

Most Popular.

Availability for all products can be searched real-time:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Packaging unit

10 Pcs

- Indicator elements in ESD safe packaging
- Screw nuts and sealing rings in a bag (enclosd in the box)

Accessories

	Description
	Power_Supply Power Supply IP42 for LED- and Illumination applications indoor 90~264 VAC => 24 VDC 0.34 A 8 W

17.08.2023