Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Indicator

PSE M30 AE RI Indicator   PSE M30 AE AI Indicator

See below:
Approvals and Compliances

Description
- The indicators are available with lettering, ring illumination or area illumination
- Multicolor: 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 multicolor ring illumination or area illumination

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

References
Alternative: switch normal operation:
Alternative: Other diameter

Weblinks
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 Multicolor	5 - 28 VDC

Mechanical Data

Tightening Torque	2.5 Nm
Shock Protection	IK 02

Climatical Data

Operating Temperature	-40 to +85 °C
Storage Temperature	-40 to +85 °C
IP-Protection	IP 67 acc. to IEC 60529, IP 69K 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

Housings	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

Approvals

Approval Reference Type:

Approval Logo	Certification Body	Description
		DGUV Test Certificate: FW 11040 Requirements for Food Processing Equipment
		MIL-STD Certificate Number: 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		VDE Certificate Number: DIN EN 61000-4-2, DIN EN 61000-4-4, DIN EN 61000-4-5

Application standards

Application standards where the product can be used

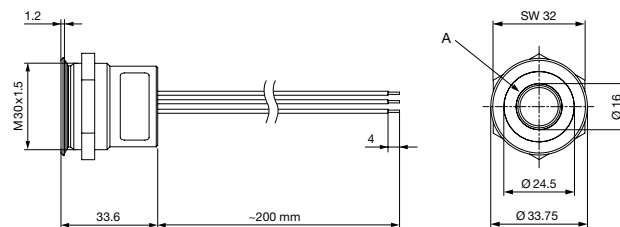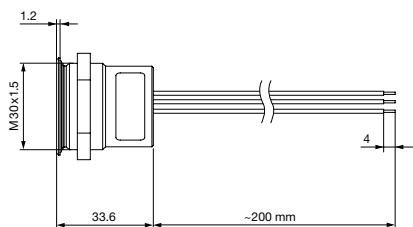| Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
RoHS COMPLIANT	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
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]

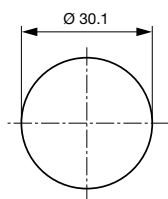PSE AE M30 Area Illumination

PSE AE M30 Ring Illumination

A = Illumination Area
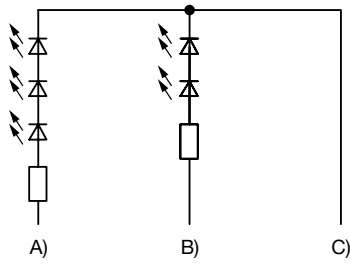
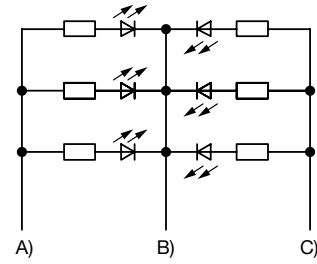A = Illumination Area

Dimension

PSE M30

Drilling diagram

Diagrams
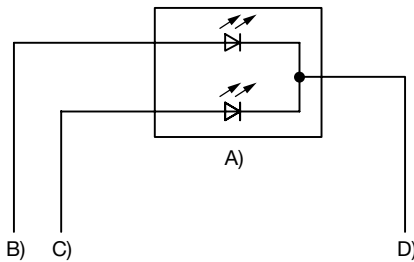
Ring and Area Illumination 12/24 VDC

A)   B)   C)

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

Ring and Area Illumination 5 VDC

A)   B)   C)

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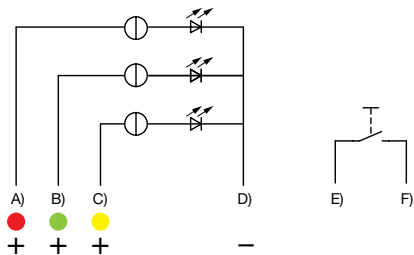C) Cable 3 (color of the LEDs), Supply voltage second LED group

PSE AE PI

A)

B)   C)   D)

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

PI = point illumination
RI = ring illumination
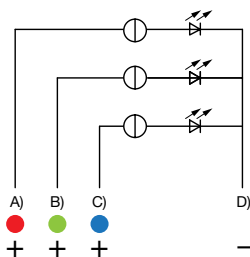
PSE M22 / M30 RI RGY

A)   B)   C)   D)   E)   F)
+   +   +   −

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 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	🟡

PSE AE Multicolor

A)   B)   C)   D)
+   +   +

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

Illumination options for Multicolor

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	⚪

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	red	F	IK 02	Ring Illumination, red, 24	PSE M 30 AE	1241.3017	
30	Flexible wire connection	Aluminium anodized ,no	nature	E	IK 02	Backlighted, red / green, 24	PSE M 30 AE	1241.3532	▮
30	Flexible wire connection	Aluminium anodized ,no	nature	F	IK 02	Ring Illumination, red / green, 5	PSE M 30 AE	1241.3196	
30	Flexible wire connection	Aluminium anodized ,no	nature	E	IK 02	Backlighted, multicolor, 5 - 28	PSE M 30 AE	1241.3671	▮
30	Flexible wire connection	Aluminium anodized ,no	nature	E	IK 02	Backlighted, RGY, 5 - 28	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.

▮ 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. PSE M16 AE / PSE M30 AE 20 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