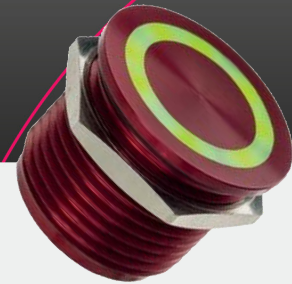# EverSwitch

SBR11
Ring Illuminated Piezo Switch

Illuminated Switch

Description
Touch Metal Piezo Switch, 22mm mounting diameter, 22x1.5mm thread, 25mm flat actuation area, ring illuminated with multi-color RGB LEDs (12 or 24V). Metal housings are milled, one piece construction and mounted with a nut. Aluminum housings are available in Silver, Red, Black, Green, Gold or Blue anodization.

Approvals
- ISO 9001:2015
- CE: EverSwitch products comply with Directives
- 2006/95/EEC for low voltage components.
- IP Rating: IP68/IP69 compatible with IEC 60529; EN 60529
- EMC: Directive 2004/108
- Shock protection, RoHS Compliant.

Characteristics
- Proven Reliability: Tested for 50,000,000 cycles
- Weatherproof: Used in harshest outdoor conditions
- Touch Activated: Operable with gloves, tools, etc.

- Sterilizable: Wash down proof up to 100 BAR
- Vandal Resistant: For use in high traffic and abusive areas
- Zero power required for keypad operation
- Mimics a dry contact switch closure
- Eliminates RFI, EMI and ESD issues
- Five year warranty

Customized Options
A wide range of design options are available: connectors switch function (prolonged, toggle, N.C., continuous, timer, slide and programmable types), current rating (up to 10A), graphics and housing dimensions and materials. We offer an embedded CPU for data output compatible with various communication protocols. Temperature compensated and thermal shock proof versions available as well.

References
SBR 22 , SBR 33 , SBR 44

TECHNICAL DATA

Electrical Data

Switch Function	N.O. Momentary
Switch Voltage	0-24 AC/DC
Switch Current	0.2A std (0.5A option)
Rated Breaking Capacity	1W
Operating Cycles	>50,000,000
Switch Resistance OFF	> 5 MΩ
Switch Resistance ON	< 20 Ω
Capacity	30 pF
Pulse Duration	125-300m
Contact Configuration	Free polarity

Mechanical Data

Housing Materials	Aluminum 6061 T651 or Stainless Steel (303/304)
Actuating Force	3-5 Newton
Illuminated Ring	Polycarbonate
Connection	4 wires 24 AWG
Actuating Travel	0.002 mm
Shock Protection	IK 06
Fastening Torque	2.5 Nm

Environmental Data

Operating Temperature	-20 to +70 °C
Storage Temperature	-20 to +85 °C
IP-Protection	IP69K (front and back)