

## RING ILLUMINATED SWITCHES **SBR**

The SBR metal touch ring illuminated switches are extraordinarily rugged, extremely durable, and with no moving parts, are completely sealed against the environment. Switches are immune to ESD and generate no EMI or RFI. A power supply is not needed for switch operation. Standard parts are supplied with RGB LEDs (Red, Blue, Green), 12" wires, in a range of sizes with a wide range of operation options available. Call one of our application engineers at 973-779-8774 or Email to [info@barantec.com](mailto:info@barantec.com)

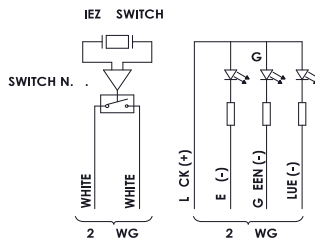
### Electrical Data

|                                       |  |
|---------------------------------------|--|
| Switching Voltage                     | 24 V AC/DC Max                         |
| Switching Current                     | 200mA std (500-1500 mA optional)       |
| Breaking Capacity                     | 1W Max                                 |
| Lifetime (at Rated Breaking Capacity) | 50.000.000 (50 Million) cycles         |
| Insulation Resistance (OFF)           | > 5 MOhms                              |
| Initial Contact Resistance (ON)       | < 20 Ohms                              |
| Capacity                              | 25 pF                                  |
| Make Impulse time                     | 125 - 300 mS (6sec - 30 sec optional)  |
| Contact Configuration                 | SPST N.O. (N.C. optional)              |
| LEDs                                  | R-G-B type in 5, 12 or 24 VDC          |
| Switching Function                    | Momentary (continuous & toggle avail.) |
| Switch Power consumption              | None (0 Volt)                          |
| ESD, EMI & RFI                        | None                                   |

### Mechanical Data

|                             |                |
|-----------------------------|----------------|
| Actuating Force             | 3-5 N TYP      |
| Actuating Travel            | None           |
| Starting Torque             | 2.5 Nm         |
| IK Protection Class (Shock) | IK 02          |
| Switch Temperature rating   | -40 to +125 °C |
| LED Temperature rating      | -40 to +70 °C  |
| Protection Class            | IP 68 - NEMA 4 |

### Wire connection diagram



### Cable connection diagram

