

3BR

3BR

| | |
|-----------------|---|
| Characteristics | <ul style="list-style-type: none"> ■ choice of IP54 or IP67 sealed versions ■ precise movements ■ screw terminals ■ pre-wired option ■ long overtravel |
| Rating | 250 VAC, 10 A max. |
| Dimensions (mm) | 53.1 × 20.6 × 30.8 |
| Actuator | ■ plunger |
| Approvals | UL, CSA |



Preferred Range

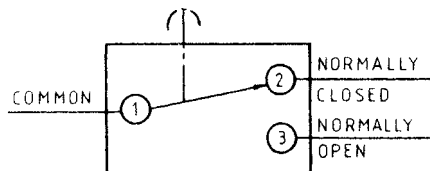
| Ordering Reference | Actuating Force (N) | Actuating Force (ozf) | Sealing | Operating pos. (mm) | Operating pos. (in) | Terminal | Circuit | Actuator | Contacts | Electrical rating |
|--------------------|---------------------|-----------------------|---------|---------------------|---------------------|----------|---------|----------|----------|---------------------|
| 3BR103 | 7,2 | 26,00 | IP54 | 39,3 | 1,55 | Screw | CO | Plunger | Ag | Up to 125 VAC, 10 A |
| 3BR510 | 7,2 | 26,00 | IP67 | 39,3 | 1,55 | Screw | CO | Plunger | Ag | Up to 125 VAC, 10 A |

Standard

Specifications

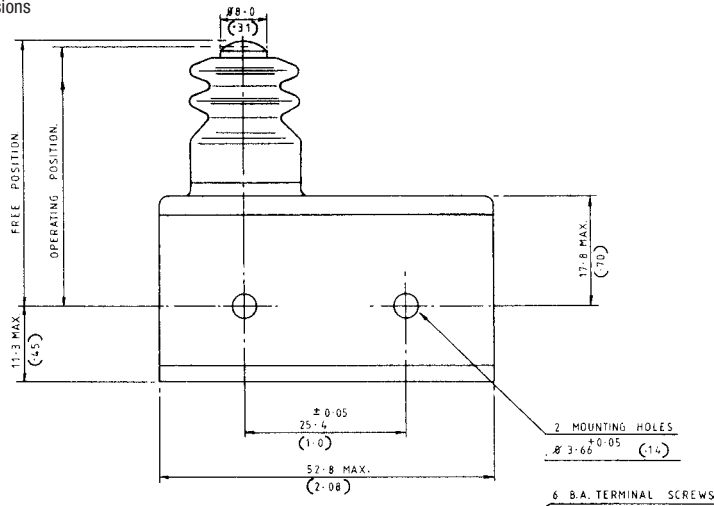
| | |
|-----------------|--|
| Housing | Phenolic |
| Plunger | Stainless steel |
| Cowl | Silicone rubber |
| Mechanism | Single pole change-over |
| Contacts | Silver |
| Terminals | Screw terminals with captive washers |
| Temperature | -10°C to +85°C |
| Mechanical life | 10 ⁶ cycles minimum (impact free actuation) |
| Protection | 3BR / 510 IP67 / 3BR103 IP54 (enclosure) |
| Mounting | Side mounting |

Circuit diagram



3BR

Dimensions



Recommended maximum electrical ratings

| Voltage (max) | Load (A) | Horsepower | Approval |
|---------------|--------------|----------------|------------------------------------|
| 250 VAC | 5 (0.75 pf) | - | CSA 22.2 No. 55 - 6,000 operations |
| 125 VAC | 10 (0.75 pf) | - | CSA 22.2 No. 55 - 6,000 operations |
| 250 VAC | - | ¼ HP (0.45 pf) | CSA 22.2 No. 55 - 6,000 operations |
| 125 VAC | - | ¼ HP (0.45 pf) | CSA 22.2 No. 55 - 6,000 operations |
| 0 - 15 VDC | 10 | - | General rating - 50,000 operations |
| 15 - 30 VDC | 5 | - | General rating - 50,000 operations |

Operating Characteristics

| Actuator | Reference | Actuating Force | | Release Force | | Free Position | | Operating Position | | Movement Differential | | Overtravel | |
|----------|-----------|-----------------|-------|---------------|-------|---------------|------|--------------------|--------------|-----------------------|-------|------------|------|
| | | Maximum (N) | (ozf) | Minimum (N) | (ozf) | Maximum (mm) | (in) | (mm) | (in) | Maximum (mm) | (in) | (mm) | (in) |
| Plunger | 3BR103 | 7,2 | 26,00 | 1,7 | 6 | 40,8 | 1,6 | 39,3 ± 0.4 | 1,55 ± 0.016 | 0,08 | 0,003 | 4,6 | 0,18 |

Ordering Reference

| | | |
|-----------------------|---|---|
| Basic type | 3BR | Example: 3BR SH |
| Environmental sealing | SH 103 510 | Sealed terminals with horizontal exiting 500 mm cables IP67 Sealed to IP54 Sealed to IP67 |
| Special Features | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | Burgess specialise in customer specific solutions. Additional product variants are available or can be provided. If your requirements cannot be satisfied from the options listed, please contact www.saia-burgess.com or your local SB outlet. |

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Basic / Snap Action Switches](#) category:

Click to view products by [Burgess](#) manufacturer:

Other Similar products are found below :

[83228001](#) [01.098.1358.1](#) [602EN1-6B](#) [602EN532](#) [602EN535-RB](#) [602HE5-RB1](#) [604HE162](#) [604HE223-6B](#) [624HE17-RB](#) [6HM89](#) [6PA78-JM](#)
[6SE1](#) [6SX1-H58](#) [70500840](#) [MBD5B1](#) [MBH2731](#) [73-316-0012](#) [79211759](#) [79211923](#) [79218589](#) [7AS12](#) [ML-1155](#) [ML-1376](#) [831010C3.0](#)
[831060C3.TL](#) [831090C2.EL](#) [83131904](#) [84212012](#) [8AS239](#) [8HM73-3](#) [903VB1-PG](#) [914CE1-6G](#) [PL-100](#) [11SM1077-H4](#) [11SM1077-H58](#)
[11SM1-TN107](#) [11SM405](#) [11SM703-T](#) [11SM8423-H2](#) [11SX37-T](#) [11SX48-H58](#) [11SX55-H58](#) [11SM2442-T](#) [11SM76-T](#) [11SM77-H58](#)
[11SM77-T](#) [11SM863-T](#) [11SM866](#) [11SX47-H58](#) [A7CN-1M-1-LEFT](#)