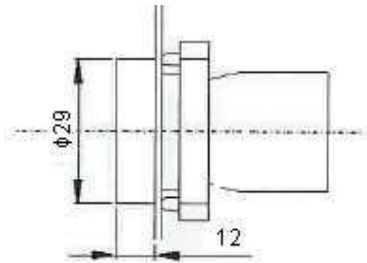


2mm Push Button Switches

Head and Collar



General Characteristics

| | |
|----------------------|---------------------------------------------------------------------------------------------------------------------|
| Products | Push buttons, selector switches, latching mushroom head push buttons, pilot lights and illuminated push buttons |
| Reference standard | IEC 947-5-1/EN 60947-5-1, UL 508, CSA C-22-2 n° 14 |
| Approval | |
| Protection degree | IP 65 according to IEC 947-1 |
| Pollution degree | 3 |
| Temperature | -40°C ~ +70°C (storage) -25°C ~ +70°C (working) |
| Vibration resistance | Mushroom head push buttons: 8gn Other push buttons and pilot lights: 15gn (40 to 500Hz) conforming to IEC 68-2-6 |
| Shock resistance | Push buttons : 70gn Mushroom head push buttons : 15gn Selector switches : 200gn Conforming to IEC 68-2-27 |
| Working position | All working positions are allowed |
| Mechanical life | Push buttons and selector switches 1 million operations, emergency mushroom push buttons 300,000 operations |

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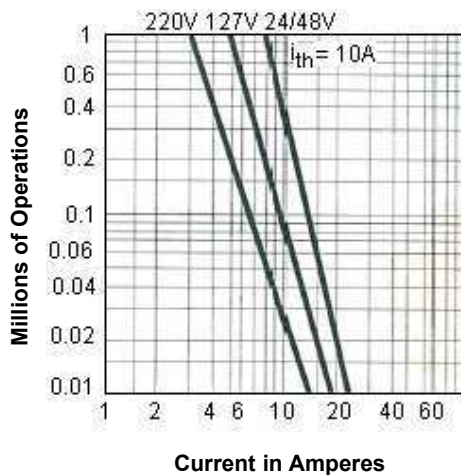
2mm Push Button Switches

Head and Collar



Contact Elements Characteristics

| | |
|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Rated thermal current | I_{th} 10A |
| Rated insulation Voltage | U_i 500V conforming to IEC 947, UL 508 and CSA 22-2 n° 14 |
| Insulation category | Group C conforming to NF C20-040, VDE 0110 |
| Operating force | Push buttons- 1 'NO' = 10N, 1 'NC' = 8N Additional contacts- 'NO' = +5N, 'NC' = +3N |
| Dielectric strength | 2.5KV for 1 minute |
| Insulation resistance | 2M Ω minimum (500 V dc) |
| Initial contact resistance | $\leq 25m\Omega$ |
| Shot circuits protection | 10A 500V, cartridge fuse gl or N conforming to IEC 337-1 |
| Terminal reference | Conforming to CENELEC EN 50013 |
| Connections | On screw with non losable plate lamp sec. 2.5mm ² maximum (14AWG) |
| Contact operation | Self cleaning type, slow action, positive opening |
| Operation frequency | 3600 operations per hour |
| Utilization category | AC 15 (DC 13) |
| Rated power Conforming to IEC 947-5-1 Load factor : 0.5 AC supply (50/60 Hz) | DC supply Power broken in watts for 1 million operations Voltage : 24V 48V 120V Inductive load : 65W 48W 40W |



2mm Push Button Switches

Head and Collar



AC Ratings, Inductive - NEMA A600

35% Power Factor

| Volts | Makes Amperes | VA | Break Amperes | VA | Continuous Carrying Amperes | Resistive 75% Power Factor Make, Break and Continuous Amperes |
|-------|---------------|------|---------------|-----|-----------------------------|---------------------------------------------------------------|
| 120 | 60 | 7200 | 6 | 720 | 10 | 10 |
| 240 | 30 | | 3 | | | |
| 480 | 15 | | 1.5 | | | |
| 600 | 12 | | 1.2 | | | |

DC Ratings, NEMA Type Q600

Inductive and Resistive

| Volts | Make and Break | Continuous |
|-------|----------------|------------|
| 125 | 55 | 2.5 |
| 250 | 0.27 | |
| 600 | 0.10 | |

Part Number Table

| Description | Part Number |
|---------------------------|-------------|
| 22mm Switches Flush White | RCB2-BA1 |
| 22mm Switches Flush Black | RCB2-BA2 |
| 22mm Switches Flush Green | RCB2-BA3 |
| 22mm Switches Flush Red | RCB2-BA4 |
| 22mm Switches Flush Amber | RCB2-BA5 |
| 22mm Switches Flush Blue | RCB2-BA6 |

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