

# Pushbutton Units and Indicator Lights

## 30 mm Heavy Duty, Watertight/Oiltight, Class 52

• Revised •  
03/20/2012

### Accessories and spare parts

#### Selection and ordering data

|                                                                                     | Version                                                          | Suitable for                                                                                                                                             | Color                                                                                                                                                                        | Order no.                                                                                                                                                                                                                                                                                        | List Price \$ |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
|    | <b>Flush actuator lens cap</b>                                   | For flush type, non-illuminated pushbuttons bag of 20 caps                                                                                               | black<br>red<br>green<br>yellow<br>blue<br>gray<br>orange<br>kit- all colors                                                                                                 | <b>52RA1A1</b><br><b>52RA1A2</b><br><b>52RA1A3</b><br><b>52RA1A4</b><br><b>52RA1A5</b><br><b>52RA1A6</b><br><b>52RA1A8</b><br><b>52RA1AN</b>                                                                                                                                                     |               |
|    | <b>Extended actuator lens cap</b>                                | For extended type, non-illuminated pushbuttons bag of 20 caps                                                                                            | black<br>red<br>green<br>yellow<br>blue<br>gray<br>orange<br>1 of each color cap                                                                                             | <b>52RA1B1</b><br><b>52RA1B2</b><br><b>52RA1B3</b><br><b>52RA1B4</b><br><b>52RA1B5</b><br><b>52RA1B6</b><br><b>52RA1B8</b><br><b>52RA1BN</b>                                                                                                                                                     |               |
|    | <b>Mushroom head cap - Plastic</b>                               | For large 2 1/2"(63.5mm) type, set screw non-illuminated mushroom pushbuttons<br><br>For small 1 5/8"(41.3mm) type, non-illuminated mushroom pushbuttons | black<br>red<br>green<br>yellow<br>blue<br>gray<br>orange<br>1 kit of each color cap<br><br>black<br>red<br>green<br>yellow<br>blue<br>gray<br>orange<br>1 of each color cap | <b>52RB3E1</b><br><b>52RB3E2</b><br><b>52RB3E3</b><br><b>52RB3E4</b><br><b>52RB3E5</b><br><b>52RB3E6</b><br><b>52RB3E8</b><br><b>52RB3EN</b><br><br><b>52RB3D1</b><br><b>52RB3D2</b><br><b>52RB3D3</b><br><b>52RB3D4</b><br><b>52RB3D5</b><br><b>52RB3D6</b><br><b>52RB3D8</b><br><b>52RB3DN</b> |               |
|  | <b>Mushroom head cap - Metal</b>                                 | For small 1 5/8"(41.3mm) type, set screw non-illuminated mushroom pushbuttons                                                                            | chrome<br>red<br>green                                                                                                                                                       | <b>52RB3FC</b><br><b>52RB3F2</b><br><b>52RB3F3</b>                                                                                                                                                                                                                                               |               |
|  | <b>Replacement Lens for Indicator Lights</b>                     | For catalog numbers starting with 52PL or 52BL <sup>①②</sup><br>Plastic<br><br>Glass                                                                     | red<br>green<br>blue<br>amber<br>clear<br>white<br>1 of each color<br><br>red<br>green<br>blue<br>amber<br>clear<br>white<br>1 of each color                                 | <b>52RA4S2</b><br><b>52RA4S3</b><br><b>52RA4S5</b><br><b>52RA4S9</b><br><b>52RA4SA</b><br><b>52RA4SB</b><br><b>52RA4SN</b><br><br><b>52RA4T2</b><br><b>52RA4T3</b><br><b>52RA4T5</b><br><b>52RA4T9</b><br><b>52RA4TA</b><br><b>52RA4TB</b><br><b>52RA4TN</b>                                     |               |
|  | <b>Replacement Lens for Push to Test/Illuminated Pushbuttons</b> | For catalog numbers starting with 52PT or 52BT <sup>③</sup><br>Plastic                                                                                   | red<br>green<br>blue<br>amber<br>clear<br>white                                                                                                                              | <b>52RA5S2</b><br><b>52RA5S3</b><br><b>52RA5S5</b><br><b>52RA5S9</b><br><b>52RA5SA</b><br><b>52RA5SB</b>                                                                                                                                                                                         |               |

① To order replacement lens for indicator lights starting with 52PA, 52PE, or 52PX, change the 6th digit to P for plastic and G for glass.

② It is possible to retrofit catalog numbers starting with 52PA, 52PE and 52PX with the replacement lens. The new lens have concentric ribs for improved light distribution.

③ To order replacement lens for push to test / illuminated pushbuttons starting with 52PA, 52PE, or 52PX, change the 6th digit to a P.

# Pushbutton Units and Indicator Lights

## 30 mm Heavy Duty, Watertight/Oiltight, Class 52

### Accessories and spare parts

#### Selection and ordering data

| Version                                                                             |                                                                           | Suitable for                                                                                     | Color                                                                        | Order no.                                                                            | List Price |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|
|                                                                                     |                                                                           |                                                                                                  |                                                                              |                                                                                      | \$         |
|                                                                                     | Mushroom head push pull illuminated plastic                               | For small 1 3/4" type, push-pull units                                                           | red<br>green<br>amber                                                        | 52RC3JR<br>52RC3JS<br>52RC3JT                                                        |            |
|                                                                                     |                                                                           | For large 2 1/2" type, push-pull units                                                           | red<br>green<br>amber                                                        | 52RC3KR<br>52RC3KS<br>52RC3KT                                                        |            |
|    | Mushroom head push pull illuminated metal                                 | Chrome, for small 1 3/4" type, push-pull units                                                   | red<br>green<br>amber<br>white                                               | 52RB3H2<br>52RB3H3<br>52RB3H9<br>52RB3HB                                             |            |
|                                                                                     |                                                                           | BlackMax, for small 1 3/4" type, push-pull units                                                 | red<br>green<br>amber<br>white                                               | 52RX3H2<br>52RX3H3<br>52RX3H9<br>52RX3HB                                             |            |
|    | Mushroom head push pull non-illuminated plastic                           | For small 1 3/4" type, push-pull units (catalog numbers starting with 52PP or 52BP) <sup>①</sup> | black<br>red<br>green<br>yellow<br>blue<br>gray<br>orange<br>1 of each color | 52RC3D1<br>52RC3D2<br>52RC3D3<br>52RC3D4<br>52RC3D5<br>52RC3D6<br>52RC3D8<br>52RC3DN |            |
|                                                                                     |                                                                           | For large 2 1/2" type, push-pull units (catalog numbers starting with 52PP or 52BP) <sup>①</sup> | black<br>red<br>green<br>yellow<br>blue<br>gray<br>orange<br>1 of each color | 52RC3E1<br>52RC3E2<br>52RC3E3<br>52RC3E4<br>52RC3E5<br>52RC3E6<br>52RC3E8<br>52RC3EN |            |
|                                                                                     | Mushroom head push pull non-illuminated metal                             | For small 1 3/4" type, push-pull units (catalog numbers starting with 52PP or 52BP) <sup>①</sup> | red<br>green<br>chrome                                                       | 52RC3F2<br>52RC3F3<br>52RC3FC                                                        |            |
|  | Twist to release head illuminated plastic                                 | For small twist to release units                                                                 | red<br>green<br>amber                                                        | 52RC3RR<br>52RC3RS<br>52RC3RT                                                        |            |
|  | Twist to release head non-illuminated plastic                             | For small twist to release units                                                                 | red<br>green<br>yellow                                                       | 52RC3R2<br>52RC3R3<br>52RC3R4                                                        |            |
|  | Replacement lens kit for illuminated selector switches (Knob with Insert) |                                                                                                  | red<br>green<br>blue<br>amber<br>clear<br>white                              | 52RA6P2<br>52RA6P3<br>52RA6P5<br>52RA6P9<br>52RA6PA<br>52RA6PB                       |            |
|  | Lever inserts                                                             |                                                                                                  |                                                                              |                                                                                      |            |
|                                                                                     | Short lever                                                               |                                                                                                  | red<br>green<br>yellow<br>blue<br>gray<br>orange<br>white                    | 52RA2A2<br>52RA2A3<br>52RA2A4<br>52RA2A5<br>52RA2A6<br>52RA2A8<br>52RA2AB            |            |
|                                                                                     | Long lever                                                                |                                                                                                  | red<br>green<br>yellow<br>blue<br>gray<br>orange<br>white                    | 52RA2B2<br>52RA2B3<br>52RA2B4<br>52RA2B5<br>52RA2B6<br>52RA2B8<br>52RA2BB            |            |

① For push-pull units whose catalog numbers that start with 52PX, 52PA or 52PE, replacement heads are available. Order from the 52RB type "Mushroom head pushbutton cap" section on page 10/158.

# Pushbutton Units and Indicator Lights

## 30 mm Heavy Duty, Watertight/Oiltight, Class 52

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### Accessories and spare parts

#### Selection and ordering data

|                                                                                     | Version                                                                                                            | Suitable for                                                                                                                                                                                                                                                                                            | Color                                                                                                                 | Order no.                                                                                                                                                                              | List Price |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                                                                                     |                                                                                                                    |                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                                                                                                                                                                                        | \$         |
|    | <b>Protective boot</b><br>Offers protection from ice and foreign substances from interfering with button operation | Flush pushbutton operations                                                                                                                                                                                                                                                                             | clear<br>black                                                                                                        | <b>52AABA</b><br><b>52AAB1</b>                                                                                                                                                         |            |
|    | <b>Guards</b><br>Prevents accidental operation                                                                     | Non-illuminated basic pushbuttons<br><br>1 5/8" mushroom pushbuttons, 1 3/4" push-pull units <sup>①</sup> , and twist to release units<br>Push to test/illuminated pushbutton and indicator lights                                                                                                      | chrome<br>blackmax<br><br>chrome<br>blackmax<br><br>chrome<br>blackmax                                                | <b>52AAGP</b><br><b>52AXGP</b><br><br><b>52AAGM</b><br><b>52AXGM</b><br><br><b>52AAGL</b><br><b>52AXGL</b>                                                                             |            |
|    | <b>EMERGENCY-STOP Lock Out</b>                                                                                     | Class 52 Illuminated Mushroom Head Pushbuttons; 304 Stainless Steel                                                                                                                                                                                                                                     | chrome (304 SS)                                                                                                       | <b>52AALE</b>                                                                                                                                                                          |            |
|    | <b>EMERGENCY-STOP Backing Ring</b>                                                                                 | Yellow 90mm E-STOP Backing Ring                                                                                                                                                                                                                                                                         |                                                                                                                       | <b>52AAR</b>                                                                                                                                                                           |            |
|    | <b>Locknuts</b><br>Replacement front ring                                                                          | Non-illuminated basic pushbuttons<br><br>Non-illuminated mushroom pushbuttons<br><br>Push-pull and twist-to-release units (only for push-pull units starting with 52PP or 52BP) <sup>②</sup><br>Indicator Lights<br><br>Selector switches                                                               | chrome<br>blackmax<br><br>chrome<br>blackmax<br><br>chrome<br>blackmax<br><br>blue<br>amber<br><br>chrome<br>blackmax | <b>52AANP</b><br><b>52AXNP</b><br><br><b>52AANL</b><br><b>52AXNL</b><br><br><b>52CAMP</b><br><b>52CXNP</b><br><br><b>52AANL</b><br><b>52AXNL</b><br><br><b>52AANS</b><br><b>52AXNS</b> |            |
| Technical Specifications on page 10/169A                                            |                                                                                                                    |                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                                                                                                                                                                                        |            |
| <b>Mounting Accessories</b>                                                         |                                                                                                                    | Class 52 Trim Washer Kit (Set of 10 pcs)<br>Class 52 Washer Kit (Include 2-Neoprene Gaskets, 1-Trim Washer, 1-Index Locking Ring (chrome))                                                                                                                                                              | chrome                                                                                                                | <b>52AAQ</b><br><b>52AAD</b>                                                                                                                                                           |            |
| <b>Padlock attachments</b>                                                          |                                                                                                                    | Non-illuminated basic pushbuttons                                                                                                                                                                                                                                                                       | flush<br>extended                                                                                                     | <b>52AALA</b><br><b>52AALB</b>                                                                                                                                                         |            |
|  | <b>Padlock cover</b><br>Lock devices in off position                                                               | Pushbuttons, selector switches, and non-illuminated mushroom heads                                                                                                                                                                                                                                      |                                                                                                                       | <b>52AALS</b>                                                                                                                                                                          |            |
|  | <b>Lock nut wrench</b>                                                                                             | All devices                                                                                                                                                                                                                                                                                             |                                                                                                                       | <b>52MAWB</b>                                                                                                                                                                          |            |
|  | <b>Hole plugs</b>                                                                                                  |                                                                                                                                                                                                                                                                                                         | corrosion resistant steel, grey<br>stainless steel                                                                    | <b>52AAH6</b><br><b>52ABH6</b><br><b>52ABHS</b>                                                                                                                                        |            |
| <b>Spare keys</b><br>(Kit includes 1 Key)                                           |                                                                                                                    | Class 52 Standard Keyed Selector Switch.<br>Keyed Selector Switch ordered with Suffix X302.<br>Keyed Selector Switch ordered with Suffix X301.<br>Keyed Selector Switch ordered with Suffix X300.<br>Keyed Selector Switch ordered with Suffix X299.<br>Keyed Selector Switch ordered with Suffix X298. | 501CH<br>506CH<br>547CH<br>548CH<br>549CH<br>550CH                                                                    | <b>52KEY-501CH</b><br><b>52KEY-506CH</b><br><b>52KEY-547CH</b><br><b>52KEY-548CH</b><br><b>52KEY-549CH</b><br><b>52KEY-550CH</b>                                                       |            |
| <b>Grounding kit</b>                                                                |                                                                                                                    | All devices                                                                                                                                                                                                                                                                                             |                                                                                                                       | <b>52AL109145</b>                                                                                                                                                                      |            |
|  | <b>Touchsafe contact blocks with gold flashing</b>                                                                 |                                                                                                                                                                                                                                                                                                         |                                                                                                                       | <b>52BAK</b><br><b>52BAJ</b> <sup>④</sup><br><b>52BJK</b> <sup>④</sup><br><b>52BAH</b><br><b>52BAE</b><br><b>52BAR</b> <sup>③</sup>                                                    |            |
| 52 BAJ                                                                              | 1 NO<br>1 NC<br>1 NO - 1 NC                                                                                        |                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                                                                                                                                                                                        |            |
|  | 1 NO early make<br>1 NC late break                                                                                 |                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                                                                                                                                                                                        |            |
| 52 BAK                                                                              | 1 NO - 1 NC                                                                                                        |                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                                                                                                                                                                                        |            |
|  | 1 NC extra late break                                                                                              |                                                                                                                                                                                                                                                                                                         |                                                                                                                       |                                                                                                                                                                                        |            |
| 52 BAR                                                                              |                                                                                                                    | closes before 52BAK<br>opens after 52BAJ<br>Reed switch; UL listed for class 1 division 2;<br>.25A Max, 200V AC, 10 Watt max<br>.5A Max, 200V DC, 10 Watt max                                                                                                                                           |                                                                                                                       | <b>52BAU</b>                                                                                                                                                                           |            |

① These can also be used with the 1 5/8" push-pull devices.

② For push-pull units starting with part numbers 52PA, 52PE or 52PX, replacement locknuts can be ordered using 52AANL (Chrome) and 52AXNL (BlackMax).

③ Hermetically Sealed

④  Positive opening according to IEC 60947-5-1, Appendix K.

• Revised •  
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# Pushbutton Units and Indicator Lights

## 30 mm Heavy Duty, Watertight/Oiltight, Class 52

Accessories and spare parts

### Selection and ordering data

| Version                                                                           | Suitable for                                | Lamp voltage                                 | Color | Order no.                                                                | List Price |
|-----------------------------------------------------------------------------------|---------------------------------------------|----------------------------------------------|-------|--------------------------------------------------------------------------|------------|
|                                                                                   |                                             |                                              |       |                                                                          | \$         |
| <b>Lamps with screw connection, miniature bayonet (BA 9s style)</b>               |                                             |                                              |       |                                                                          |            |
|  | <b>Incandescent lamps,</b>                  |                                              |       |                                                                          |            |
|                                                                                   | Flashing, type 267 lamp (replaces 755 lamp) | 51, 52                                       | 6 V   | <b>52AABNF</b>                                                           |            |
|                                                                                   | 6V type 755 lamp (Rated 150 mA)             | 51, 52                                       | 6 V   | <b>52AABN</b>                                                            |            |
|                                                                                   | 12V type 756 (Rated 80 mA)                  | 51, 52                                       | 12 V  | <b>52AACN</b>                                                            |            |
|                                                                                   | 24V type 757 (Rated 80 mA)                  | 51, 52                                       | 24 V  | <b>52AADN</b>                                                            |            |
|                                                                                   | 48V, 2W                                     | 52                                           | 48 V  | <b>3SB1902-1AP</b>                                                       |            |
|                                                                                   | 60V, 2W                                     | 52                                           | 60 V  | <b>3SR9424</b>                                                           |            |
|                                                                                   | 120V, 2.5W, type #120MB (Rated 250 mA)      | 52                                           | 120 V | <b>52AAENC1</b>                                                          |            |
|                                                                                   | Neon (uses resistors) type B2A (NE-51H)     | 52                                           | 120 V | <b>52AAPN</b>                                                            |            |
| <b>Candelabra, 120V, 3W, Full voltage type 3S6/5</b>                              |                                             | 52 older revision styles                     | 120 V | <b>52AAENC</b>                                                           |            |
| <b>LED bulbs</b>                                                                  |                                             |                                              |       |                                                                          |            |
| LED, BA9s type (Rated 15 mA)                                                      | Class 52                                    | 6 V AC<br>24 V AC/DC<br>120 V AC             |       | <b>52AEB□</b><br><b>52AED□</b><br><b>52AEE□</b>                          |            |
| LED, cluster type (Rated 0.5W)                                                    | Class 52                                    | 6 V AC<br>24 V AC<br>120 V AC<br>120 V DC    |       | <b>52AEB□7</b><br><b>52AED□7</b><br><b>52AEE□7</b><br><b>52AEV□7</b>     |            |
| <b>LED lighting module with integrated LED.</b>                                   |                                             |                                              |       |                                                                          |            |
| Single LED (Rated 35 mA Maximum)                                                  | Class 52                                    | 24 V AC/DC<br>120 V AC<br>240 V AC           |       | <b>52AAIL□</b><br><b>52AAIM□</b><br><b>52AAIN□</b>                       |            |
| <b>Full voltage lighting module accessory with BA9s type lamp</b>                 |                                             |                                              |       |                                                                          |            |
| Single LED                                                                        | Class 52                                    | 6 V AC<br>24 V AC/DC<br>120 V AC             |       | <b>52AAFB□B</b><br><b>52AAFD□B</b><br><b>52AAFE□B</b>                    |            |
| Cluster LED                                                                       | Class 52                                    | 6 V AC<br>24 V AC<br>120 V AC                |       | <b>52AAFB□Y</b><br><b>52AAFD□Y</b><br><b>52AAFE□Y</b>                    |            |
| Incandescent bulb                                                                 | Class 52                                    | 6 V AC/DC<br>24 V AC/DC<br>120 V AC          |       | <b>52AAFB</b><br><b>52AAFD</b><br><b>52AAFE</b>                          |            |
| <b>Transformer lighting module accessory with BA9s type lamp</b>                  |                                             |                                              |       |                                                                          |            |
| Single LED                                                                        | Class 52                                    | 120 V AC<br>240 V AC<br>480 V AC<br>600 V AC |       | <b>52AATG□B</b><br><b>52AATH□B</b><br><b>52AATJ□B</b><br><b>52AATK□B</b> |            |
| Cluster LED                                                                       | Class 52                                    | 120 V AC<br>240 V AC<br>480 V AC<br>600 V AC |       | <b>52AATG□Y</b><br><b>52AATH□Y</b><br><b>52AATJ□Y</b><br><b>52AATK□Y</b> |            |
| Incandescent bulb                                                                 | Class 52                                    | 120 V AC<br>240 V AC<br>480 V AC<br>600 V AC |       | <b>52AATG</b><br><b>52AATH</b><br><b>52AATJ</b><br><b>52AATK</b>         |            |

Technical Specifications  
on page 10/169A

Color options:

- red
- green
- yellow/amber
- blue
- white/clear

2  
3  
4  
5  
B

\*\*Note: Cluster LED only available in red, green and yellow