GCX Series 22mm Metal Pilot Devices Specifications

Assembly information

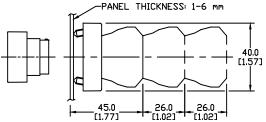
These pushbuttons and indicator lights are supplied with the appropriate contact blocks, unless otherwise indicated. Use these drawings as a guide to make sure there is adequate clearance behind the panel.

Pushbuttons and selector switches

Mounting

4*0*.0

[1.57]



Dimensions: mm [inches]

40.0

This layout is suitable if all switches are

400V or less and different polarity.

NOTE: Contact blocks can be arranged up to three deep by two wide.

26.0

Illuminated pushbuttons and selector switches/pilot lights

PANEL THICKNESS: 1-6 mm

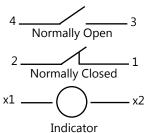
26.0

26.0

40.0



Typical Wiring



40.0 [1.57]

Specifications These specifications apply to all GCX and ECX 22 mm metal pushbuttons and switches.

30.0

[1.18]

This layout is suitable if all switches

are 230V or less and the same polarity.

ø22.5

[Ø0.89]

| Phy | Physical Specifications | | | | | |
|------------------------|---|--|--|--|--|--|
| Standards Reference | CEI EN 60947-5-1, CSA C22-2 n.14 | | | | | |
| Approvals | CSA, IMQ (where specified), UL File E189258 | | | | | |
| Enclosure Material | Zn + Al + Mg alloy, chromium plated | | | | | |
| Contacts Material | Silver | | | | | |
| Protection Degree | IP40 for <u>GCX3151-24,GCX3151-120, GCX3153-24</u> and <u>GCX3153-120</u> . IP65 for all others. (See Appendix of this catalog for explanation of IP rating: according to IEC 144 CEI 70-1.) | | | | | |
| Temperature Ratings | Storage: -40 -to 80°C (-40 to 176° F) Operating: -25 to +70°C (-13 to 158° F) | | | | | |
| Working Positions | All working positions are allowed | | | | | |
| Mechanical Life | Pushbuttons, selector switches: Joy stick switches: 1,000,000 operations Mushroom pushbuttons: 300,000 operations | | | | | |

| Electrica | I Specifications | | |
|--|---|--|--|
| Rated Thermal Current (contact block) | A300, Q300 (Refer to E22 Series mounting/ contact rating section for details) | | |
| Rated Insulation Voltage | Ui 660V according to CEI EN 60947-5-1, 300V according to CSA C22-2 n.14 | | |
| Dielectric Strength | 3kV (1 second) | | |
| Insulation Resistance | 2MΩ min. (500VDC) | | |
| Initial Contact Resistance | ≤ 25mΩ | | |
| Short-Circuit Protection* | Cartridge fuses gl 10A - 500V 10,3x38l1 100kA | | |
| Terminal Markings | According to CENELEC EN 50013 | | |
| Connections | Single screw with non-loosening plate clamp,14AWG max. | | |
| Contacts Operation | Self-cleaning types EN01 (N.C.) EN 10 (N.O.) slow-action, positive opening | | |
| Operation Frequency | 3600 operations per hour max. | | |
| Utilization Category | AC15 (Control of AC electromagnetic loads) 24 volts AC at 10 amps 130 volts AC at 6.5 amps DC13 (Control of DC electromagnetic loads) 24 volts DC at 1.5 amps 110 volts DC at 0.5 amps | | |

*Note: Recommended, not supplied

GCX Series 22mm Metal Pushbuttons

Momentary Flush Pushbuttons with protective metal ring (30mm dia. actuator)



Momentary Pushbuttons Flush with Protective Metal Ring

| Part Number | Color | Price | Drawing Link | Description | |
|----------------|--------|--------|-----------------|--|--|
| <u>GCX1100</u> | Black | \$7.50 | <u>PDF</u> | One N.O. contact block, 30mm dia. actuator, mounts in 22mm hole | |
| <u>GCX1101</u> | Red | \$7.50 | PDF | One N.C. contact block, 30mm dia. actuator, mounts in 22mm hole | |
| <u>GCX1102</u> | Green | \$7.50 | PDF | | |
| <u>GCX1103</u> | Yellow | \$7.50 | PDF | One N.O. contact block, 30mm dia. actuator, mounts | |
| <u>GCX1104</u> | Blue | \$7.50 | PDF | in 22mm hole | |
| <u>GCX1105</u> | White | \$7.50 | PDF | | |

Momentary Flush ON/OFF Pushbuttons with protective metal ring (30mm dia. actuator)





<u>GCX1106</u>

| - | | |
|---|---------|--|
| (| GCX1107 | |

| | Momentary Pushbuttons Flush ON/OFF | | | | | | | | | |
|----------------|--|--------|-----------------|--|--|--|--|--|--|--|
| Part Number | Color | Price | Drawing Link | Description | | | | | | |
| <u>GCX1106</u> | Red with "Off" symbol (O) on actuator | \$8.25 | PDF | One N.C. contact block, 30mm dia. actuator, mounts in 22mm hole | | | | | | |
| <u>GCX1107</u> | Green with "On" symbol (I) on actuator | \$8.25 | <u>PDF</u> | One N.O. contact block, 30mm dia. actuator, mounts in 22mm hole | | | | | | |

Momentary Pushbuttons with protective metal ring (40mm dia. actuator)



| Momentary Pushbuttons with Protective Metal Ring | | | | | | | | |
|--|--------|--------|-----------------|--|--|--|--|--|
| Part Number | Color | Price | Drawing Link | Description | | | | |
| <u>GCX1120</u> | Black | \$8.75 | PDF | One N.O. contact block, 40mm dia. actuator, mounts in 22mm hole | | | | |
| <u>GCX1121</u> | Red | \$8.75 | <u>PDF</u> | One N.C. contact block, 40mm dia. actuator, mounts in 22mm hole | | | | |
| <u>GCX1122</u> | Green | \$8.75 | PDF | | | | | |
| <u>GCX1123</u> | Yellow | \$8.75 | PDF | One N.O. contact block, 40mm dia. actuator, | | | | |
| <u>GCX1124</u> | Blue | \$8.75 | PDF | mounts in 22mm hole | | | | |
| <u>GCX1125</u> | White | \$8.75 | <u>PDF</u> | | | | | |

Note: Protective silicone covers are not available for this pushbutton.

For accessories, see 22mm Metal Pilot Device Accessories in this section.

GCX Series 22mm Metal Pushbuttons

Momentary Extended Pushbuttons



| | Momentary Extended Pushbuttons | | | | | | | | | |
|----------------|--------------------------------|--------|-----------------|---|--|--|--|--|--|--|
| Part Number | Color | Price | Drawing Link | Description | | | | | | |
| <u>GCX1110</u> | Black | \$8.25 | PDF | AutomationDirect pushbutton, IP65, 22mm, momentary, (1) N.O. contact(s), metal base, metal bezel, Operator: black, extended, 30mm, round, plastic. | | | | | | |
| <u>GCX1111</u> | Red | \$8.25 | PDF | AutomationDirect pushbutton, IP65, 22mm, momentary, (1) N.C. contact(s), metal base, metal bezel, Operator: red, extended, 30mm, round, plastic. | | | | | | |
| <u>GCX1112</u> | Green | \$8.25 | PDF | AutomationDirect pushbutton, IP65, 22mm, momentary, (1) N.O. contact(s), metal base, metal bezel, Operator: green, extended, 30mm, round, plastic. | | | | | | |
| <u>GCX1113</u> | Yellow | \$8.25 | PDF | AutomationDirect pushbutton, IP65, 22mm, momentary, (1) N.O. contact(s), metal base, metal bezel, Operator: yellow, extended, 30mm, round, plastic. | | | | | | |
| <u>GCX1114</u> | Blue | \$8.25 | PDF | AutomationDirect pushbutton, IP65, 22mm, momentary, (1) N.O. contact(s), metal base, metal bezel, Operator: blue, extended, 30mm, round, plastic. | | | | | | |
| <u>GCX1115</u> | White | \$8.25 | PDF | AutomationDirect pushbutton, IP65, 22mm, momentary, (1) N.O. contact(s), metal base, metal bezel, Operator: white, extended, 30mm, round, plastic. | | | | | | |

Double-Headed Momentary Pushbuttons



GCX1152 (with on/off symbols)



| Double-Headed Momentary Pushbuttons | | | | | | |
|-------------------------------------|---------|-----------------|--|--|--|--|
| Part Number | Price | Drawing Link | Description | | | |
| <u>GCX1150</u> | \$14.50 | <u>PDF</u> | AutomationDirect pushbutton, IP65, 22mm, momentary, (1) N.O./(1) N.C. contact(s), metal base, metal bezel, Operator: red/green, double headed, 50mm, rectangular, plastic. | | | |
| <u>GCX1151-24</u> | \$21.50 | <u>PDF</u> | AutomationDirect pushbutton, IP65, 22mm, momentary, incandescent illuminated, (1) N.O./(1) N.C. contact(s), metal base, metal bezel, Operator: red/green, double headed, 60mm, rectangular, plastic, 24 VAC/VDC, full voltage. | | | |
| <u>GCX1151-120</u> | \$22.50 | <u>PDF</u> | AutomationDirect pushbutton, IP65, 22mm, momentary, incandescent illuminated, (1) N.O./(1) N.C. contact(s), metal base, metal bezel, Operator: red/green, double headed, 60mm, rectangular, plastic, 120 VAC/VDC, full voltage. | | | |
| <u>GCX1152</u> | \$15.50 | PDF | AutomationDirect pushbutton, IP65, 22mm, momentary, (1) N.O./(1) N.C. contact(s), metal base, metal bezel, Operator: red/green, double headed, 50mm, rectangular, plastic, operator text "(I) and (0)". | | | |
| <u>GCX1153-24</u> * | \$22.50 | <u>PDF</u> | AutomationDirect pushbutton, IP65, 22mm, momentary, incandescent illuminated, (1) N.O./(1) N.C. contact(s), metal base, metal bezel, Operator: red/green, double headed, 50mm, rectangular, plastic, operator text "(I) and (0)", 24 VAC/VDC, full voltage. | | | |
| <u>GCX1153-120</u> * | \$23.50 | <u>PDF</u> | AutomationDirect pushbutton, IP65, 22mm, momentary, incandescent illuminated, (1) N.O./(1) N.C. contact(s), metal base, metal bezel, Operator: red/green, double headed, 50mm, rectangular, plastic, operator text "(I) and (0)", 120 VAC/VDC, full voltage. | | | |
| | | | | | | |

* Note: Lamp data in 22 mm Metal Pilot Accessories in this section.

For accessories, see 22mm Metal Pilot Device Accessories in this section.

GCX Series 22mm Metal Pushbuttons without Contact Block

Momentary Flush Pushbutton Operator (without contact block) (30mm dia. actuator)

| Momenta | Momentary Flush Pushbuttons Operators (without contact block) | | | | | | | |
|-------------------|---|--------|-----------------|--|--|--|--|--|
| Part Number | Color | Price | Drawing Link | Description | | | | |
| <u>GCX1100-SC</u> | Black | \$5.00 | <u>PDF</u> | 22mm metal pushbutton operator, flush, includes 30mm dia. operator and support base ONLY. Contact blocks sold separately, mounts in 22mm hole. | | | | |
| <u>GCX1101-SC</u> | Red | \$5.00 | PDF | 22mm metal pushbutton operator, flush, includes 30mm dia. operator and support base ONLY. Contact blocks sold separately, mounts in 22mm hole. | | | | |
| <u>GCX1102-SC</u> | Green | \$5.00 | PDF | 22mm metal pushbutton operator, flush, includes 30mm dia. operator and support base ONLY. Contact blocks sold separately, mounts in 22mm hole. | | | | |



Momentary Extended Pushbutton Operator (without contact block) (30mm dia. actuator)

| Momentary Extended Pushbutton Operators (without contact block) | | | | | | | |
|---|-------|--------|-----------------|---|--|--|--|
| Part Number | Color | Price | Drawing Link | Description | | | |
| <u>GCX1110-SC</u> | Black | \$5.00 | PDF | 22mm metal pushbutton operator, extended, includes 30mm dia. operator and support base ONLY. Contact block sold separately, mounts in 22mm hole | | | |
| <u>GCX1111-SC</u> | Red | \$5.00 | PDF | 22mm metal pushbutton operator, extended, includes 30mm dia. operator and support base ONLY. Contact block sold separately, mounts in 22mm hole | | | |
| <u>GCX1112-SC</u> | Green | \$5.00 | PDF | 22mm metal pushbutton operator, extended, includes 30mm dia. operator and support base ONLY. Contact block sold separately, mounts in 22mm hole | | | |



Contact blocks are available for these products.



For accessories, see 22mm Metal Pilot Device Accessories in this section.

Replacement Incandescent Bulbs

| | Replacement Incandescent Bulbs | | | | | | | | |
|------------------|--------------------------------|---------|--------------------------|---|--|--|--|--|--|
| Part Number | Quantity | Price | Rating | Description | | | | | |
| <u>ECX1900-5</u> | 5 | \$9.50 | 6V@ 200mA , 1.2 watts | 6V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4 | | | | | |
| <u>ECX1902-5</u> | 5 | \$9.50 | 24V@ 80mA 2 watts | 24V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4 | | | | | |
| <u>ECX1904-5</u> | 5 | \$20.00 | 130V@20mA 2.6 watts | 120V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4 | | | | | |

Note: Bulb removal tool available. Order part number HT8LAMPTOOL.

Replacement LED Lamps

| Replacement LED Lamps | | | | | | | | | |
|-----------------------|--------|----------|-------------------------------|-----------------------|--|--|--|--|--|
| Part Number | Color | Quantity | Price | Rating | Description | | | | |
| ECX1911-2 | Red | | \$17.50 | | | | | | |
| ECX1912-2 | Green |] | \$22.00 | | | | | | |
| ECX1913-2 | Yellow |] | \$17.50 \$23.50 \$28.00 | 24V@26mA 0.6 watts | LED replacement lamp for miniature bayonet bases Works with 22mm switches and indicators, but illumination will not be as even when used with the ECX 22mm indicators | | | | |
| ECX1914-2 | Blue | | | | | | | | |
| ECX1915-2 | White | 2 | | | | | | | |
| <u>ECX1921-2</u> | Red | 2 | \$17.50 | | | | | | |
| ECX1922-2 | Green |] | \$22.00 | | Note: Will not replace sealed Cutler-Hammer monoblock LED indicators. | | | | |
| ECX1923-2 | Yellow |] | \$17.50 | 120V@5mA 0.6 watts | | | | | |
| ECX1924-2 | Blue |] | \$23.50 | | | | | | |
| ECX1925-2 | White | | \$28.00 | | | | | | |

Contraction of the second seco

ECX1902-5



Hole plug

| Hole Plug | | | | | |
|----------------|-------------------------------------|--------|---|--|--|
| Part Number | Part Number Color Price Description | | | | |
| <u>ECX1490</u> | Black | \$2.75 | Plastic hole plug for 22.5 mm openings in panels and enclosures; supplied with O-ring and mounting screw. Two plugs per package. | | |



Pilot Light Replacement Lens

| Pilot Light Replacement Lens | | | | | | | |
|------------------------------|---------------|--------|---|----------------------------|--|--|--|
| Part Number | Lamp Color | Price | Description | Use with | | | |
| <u>PL1170PR-5</u> | Red | \$7.00 | 22mm metallic series pilot light replacement lens, 5/pk | | | | |
| <u>PL1170PV-5</u> | Green | \$7.00 | 22mm metallic series pilot light replacement lens, 5/pk | | | | |
| <u>PL1170PG-5</u> | Yellow | \$7.00 | 22mm metallic series pilot light replacement lens, 5/pk | Part numbers starting with | | | |
| <u>PL1170PB-5</u> | Blue | \$7.00 | 22mm metallic series pilot light replacement lens, 5/pk | GCX123 | | | |
| <u>PL1170PN-5</u> | Clear | \$7.00 | 22mm metallic series pilot light replacement lens, 5/pk | | | | |
| <u>PL1170PW-5</u> | White | \$7.00 | 22mm metallic series pilot light replacement lens, 5/pk | | | | |



1-800-633-0405 For the latest prices, please che **22mm Metal Pilot Device Accessories**

Protective Covers for Pushbuttons

| | Protective Covers for Pushbuttons | | | | | | | | |
|------------------|-----------------------------------|----------|---------|--|--|--|--|--|--|
| Part Number | Color | Quantity | Price | Description | | | | | |
| ECX1700-5 | Black | | \$7.50 | | | | | | |
| ECX1701-5 | Red | | \$7.50 | Cilicana protective covers for use with 99mm standard size fluck such with stand | | | | | |
| <u>ECX1702-5</u> | Green | 5 | \$7.50 | Silicone protective covers for use with 22mm standard-size flush pushbuttons. | | | | | |
| ECX1703-5 | Yellow | | \$7.50 | Will not work with Cutler-Hammer pushbuttons, 22mm plastic illuminated or | | | | | |
| <u>ECX1704-5</u> | Blue | | \$7.50 | extended pushbuttons, or 22mm plastic pushbuttons with 40mm actuator face. | | | | | |
| <u>ECX1705-5</u> | Clear | | \$7.50 | | | | | | |
| <u>ECX1706-5</u> | Clear | | \$13.00 | Clear silicone protective covers for use with 2 mm illuminated and extended pushbuttons only. Will not work with Cutler-Hammer pushbuttons or 22mm mushroom pushbuttons. | | | | | |



ECX1703-5

Replacement 22mm Support Base

| | Replacement 22mm Support Base | | | | | | | | |
|---|-------------------------------|--------|------------|--|--|--|--|--|--|
| Part Number Quantity Price Drawing Link Description | | | | | | | | | |
| <u>ECX1029-2</u> | 1 | \$7.00 | <u>PDF</u> | 22mm metal support base Note: This item is supplied as a replacement part and is not required with any switch assembly. Will not work with Cutler-Hammer 22mm switches sold by AutomationDirect | | | | | |



ECX1029-2

Replacement Contact Blocks

| | Replacement Contact Blocks | | | | | | | | |
|------------------|----------------------------|---------|-----------------|--|--|--|--|--|--|
| Part Number | Quantity | Price | Drawing Link | Contacts | Description | | | | |
| <u>ECX1030-2</u> | 2 | \$7.25 | PDF | Red, | Replacement contact block for 22mm pushbuttons and selector | | | | |
| <u>ECX1030-5</u> | 5 | \$17.00 | PDF | normally-closed (N.C.) | switches. | | | | |
| <u>ECX1040-2</u> | 2 | \$7.25 | PDF | Green, | Tightening Torque, terminal screw: 0.8Nm max mounting screw: 0.5Nm max | | | | |
| <u>ECX1040-5</u> | 5 | \$17.00 | <u>PDF</u> | normally-open (N.O.) | Note: Will not work with Cutler-Hammer 22mm switches. | | | | |
| <u>ECX1042-2</u> | 2 | \$7.25 | <u>PDF</u> | Brown, normally-open (N.O.), push-push | Replacement normally open push-push contact blocks for 22mm pushbutton and selector switches, pack of 2. Note: Will not work with Cutler-Hammer 22mm switches. | | | | |

Note: See electrical specifications on ECX Series 22mm Metal Pilot Devices Specifications page at beginning of this section.

Replacement Keys

| Replacement Keys | | | | |
|--|-----------------------------------|--------|--|--|
| Part Number Quantity Price Description | | | | |
| <u>ECX1067-2</u> | Pkg of 2 sets (2 keys per set) | \$6.50 | Replacement key for GCX series key-actuated selector switches, pack of 2 sets (2 keys each). NOTE: Will not work with Cutler-Hammer 22mm switches. | |



ECX1030-2

ECX1067-2

Note: All key-actuated 22mm metal selector switches are keyed alike.

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EMERGENCY STOP Legend Plate

| EMERGENCY STOP Legend Plate | | | | | | |
|---|---|--------|-----|---|--|--|
| Part Number Quantity Price Drawing Link Description | | | | | | |
| <u>ECX1651</u> | 1 | \$2.75 | PDF | Oversize yellow circular EMERGENCY STOP legend plate for 22mm E-stop type mushroom pushbuttons, 60mm outside diameter. | | |



Knockout Punches

Ruko's knockout punch hole-cutting tool includes punch, die and draw bolt (without ball bearing). Use for sheet steel, stainless-steel sheets, non-ferrous and light metals, and plastics up to 0.16" (8 ga.) thick.

Replacement bolts are offered in three of the most popular sizes.

Note: Part number 109225 is recommended when punching holes for 22mm pilot devices.



Two-Position Short Lever Operator

| | 2-Position Short Lever Replacement Operator | | | | | | |
|-------------------|---|---------|---|----------------------------------|--|--|--|
| Part Number | Lamp Color | Price | 2-Position | Use with | | | |
| <u>GR1172PR-5</u> | Red | \$16.50 | 22mm 2-position selector switch illuminated short lever replacement operator, 5/pk | | | | |
| <u>GR1172PV-5</u> | Green | \$16.50 | 22mm 2-position selector switch illuminated short lever replacement operator, 5/pk | Part numbers starting with | | | |
| <u>GR1172PG-5</u> | Yellow | \$16.50 | 22mm 2-position selector switch illuminated short lever replacement operator, 5/pk | GCX124, GCX125 GCX324, GCX325 | | | |
| <u>GR1172PB-5</u> | Blue | \$16.50 | 22mm 2-position selector switch illuminated short lever replacement operator, 5/pk | | | | |
| <u>GR1172PN-5</u> | Clear | \$16.50 | 22mm 2-position selector switch illuminated short lever replacement operator, 5/pk | | | | |

Three-Position Short Lever Operator

| | 3-Position Short Lever Replacement Operator | | | | | | |
|-------------------|---|---------|---|--|--|--|--|
| Part Number | Lamp Color | Price | 3-Position | Use with | | | |
| <u>GR1288PR-5</u> | Red | \$16.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk | | | | |
| <u>GR1288PV-5</u> | Green | \$16.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk | | | | |
| <u>GR1288PG-5</u> | Yellow | \$16.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk | Part numbers starting with GCX126, GCX128 GCX326, GCX328 | | | |
| <u>GR1288PB-5</u> | Blue | \$16.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk | | | | |
| <u>GR1288PN-5</u> | Clear | \$16.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk | | | | |





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Mushroom Switch Replacement Operator

| Mushroom Switch Replacement Operator | | | | | | | |
|--------------------------------------|---------------|--------|---|---|--|--|--|
| Part Number | Lamp Color | Price | Description | Use with | | | |
| <u>PL1171PR-5</u> | Red | \$7.25 | 22mm, illuminated momentary Mushroom switch replacement operator, red, 5/pk | Part numbers starting with GCX1221, GCX3221 mushroom-style illuminated pushbuttons | | | |
| <u>PL1298P-5</u> | Red | \$7.25 | 22mm illuminated twist-to-release mushroom switch replacement operator, red, 5/pk | Part numbers starting with GCX1226, GCX3226 mushroom-style illuminated pushbuttons | | | |



Flush Pushbutton Replacement Operator

| | Flush Pushbutton Replacement Operator | | | | | | | |
|-------------------|---------------------------------------|--------|--|----------------------------------|--|--|--|--|
| Part Number | Lamp Color | Price | Description | Use with | | | | |
| <u>GR1168PR-5</u> | Red | \$9.00 | 22mm illuminated flush pushbutton replacement operator, 5/pk | | | | | |
| <u>GR1168PV-5</u> | Green | \$9.00 | 22mm illuminated flush pushbutton replacement operator, 5/pk | | | | | |
| <u>GR1168PG-5</u> | Yellow | \$9.00 | 22mm illuminated flush pushbutton replacement operator, 5/pk | Part numbers starting with | | | | |
| <u>GR1168PB-5</u> | Blue | \$9.00 | 22mm illuminated flush pushbutton replacement operator, 5/pk | GCX119, GCX120 GCX319, GCX320 | | | | |
| <u>GR1168PN-5</u> | Clear | \$9.00 | 22mm illuminated flush pushbutton replacement operator, 5/pk | | | | | |
| <u>GR1168PW-5</u> | White | \$9.00 | 22mm illuminated flush pushbutton replacement operator, 5/pk | | | | | |



Extended Pushbutton Replacement Operator

| | Extended Pushbutton Replacement Operator | | | | | | | |
|-------------------|--|--------|--|----------------------------|--|--|--|--|
| Part Number | Lamp Color | Price | Description | Use with | | | | |
| PL1308PR-5 | Red | \$7.00 | 22mm illuminated extended pushbutton, replacement operator, 5/pk | | | | | |
| <u>PL1308PV-5</u> | Green | \$7.00 | 22mm illuminated extended pushbutton, replacement operator, 5/pk | | | | | |
| PL1308PG-5 | Yellow | \$7.00 | 22mm illuminated extended pushbutton, replacement operator, 5/pk | Part numbers starting with | | | | |
| PL1308PB-5 | Blue | \$7.00 | 22mm illuminated extended pushbutton, replacement operator, 5/pk | GCX121, GCX321 | | | | |
| PL1308PN-5 | Clear | \$7.00 | 22mm illuminated extended pushbutton, replacement operator, 5/pk | | | | | |
| <u>PL1308PW-5</u> | White | \$7.00 | 22mm illuminated extended pushbutton, replacement operator, 5/pk | | | | | |



22mm Metal Pilot Device Accessories

Legend Plates

Aluminum legend plates for use with 22mm pilot devices. Black or red field with silver background. O-ring included.



ECX1670A-B04



ECX1670A-R03

| | | Alumin | um Legend Pl | ates | | |
|---------------|-------------------|---------------|------------------|---------------------|--------|-----------------|
| Legend | Color of Field | Text Color | Background Color | Part Number | Price | Drawing Link |
| AUTO OFF HAND | Black | Black | Silver | ECX1670A-B46 | \$3.75 | PDF |
| Blank Plate | Black | - | Silver | <u>ECX1670A-B</u> | \$3.75 | PDF |
| Blank Plate | Red | - | Silver | <u>ECX1670A-R</u> | \$3.75 | PDF |
| CLAMP | Black | Black | Silver | ECX1670A-B24 | \$3.75 | PDF |
| CLOSE | Black | Black | Silver | ECX1670A-B01 | \$3.75 | PDF |
| DOWN | Black | Black | Silver | ECX1670A-B02 | \$3.75 | PDF |
| EMERG. STOP | Red | Red | Silver | ECX1670A-R03 | \$3.75 | PDF |
| EXTEND | Black | Black | Silver | ECX1670A-B51 | \$3.75 | PDF |
| FEEDER OFF | Black | Black | Silver | ECX1670A-B26 | \$3.75 | PDF |
| FEEDER ON | Black | Black | Silver | ECX1670A-B25 | \$3.75 | PDF |
| FOR OFF REV | Black | Black | Silver | ECX1670A-B19 | \$3.75 | PDF |
| FOR REV | Black | Black | Silver | ECX1670A-B13 | \$3.75 | PDF |
| FORWARD | Black | Black | Silver | ECX1670A-B04 | \$3.75 | PDF |
| GRIP | Black | Black | Silver | ECX1670A-B53 | \$3.75 | PDF |
| HAND-AUTO | Black | Black | Silver | ECX1670A-B14 | \$3.75 | PDF |
| HAND OFF AUTO | Black | Black | Silver | ECX1670A-B20 | \$3.75 | PDF |
| HIGH | Black | Black | Silver | ECX1670A-B27 | \$3.75 | PDF |
| HIGH LOW | Black | Black | Silver | ECX1670A-B43 | \$3.75 | PDF |
| IN | Black | Black | Silver | ECX1670A-B28 | \$3.75 | PDF |
| INCH | Black | Black | Silver | ECX1670A-B29 | \$3.75 | PDF |
| JOG | Black | Black | Silver | ECX1670A-B05 | \$3.75 | PDF |
| JOG FOR | Black | Black | Silver | <u>ECX1670A-B30</u> | \$3.75 | PDF |
| JOG REV | Black | Black | Silver | ECX1670A-B31 | \$3.75 | PDF |
| JOG RUN | Black | Black | Silver | ECX1670A-B15 | \$3.75 | PDF |
| LOW | Black | Black | Silver | ECX1670A-B32 | \$3.75 | PDF |
| LOWER | Black | Black | Silver | ECX1670A-B33 | \$3.75 | PDF |
| MAN AUTO | Black | Black | Silver | ECX1670A-B44 | \$3.75 | PDF |

Note: Legend plate text is 3mm in height Continued on next page

22mm Metal Pilot Device Accessories





Aluminum Legend Plates (continued) Color of Part Drawing Text Legend Background Color Price Number Field Color Link MAN OFF AUTO Black Black Silver ECX1670A-B47 \$3.75 PDF MOTOR RUN Black Black Silver ECX1670A-B22 \$3.75 PDF MOTOR STOP Black Black Silver ECX1670A-B23 \$3.75 PDF OFF Black Black Silver ECX1670A-B34 \$3.75 PDF OFF ON Black Black ECX1670A-B16 \$3.75 PDF Silver ON Black Black Silver ECX1670A-B06 \$3.75 PDF OPEN Black Black Silver ECX1670A-B07 \$3.75 PDF **OPEN OFF CLOSE** ECX1670A-B48 \$3.75 Black Black Silver PDF **OPEN CLOSE** Black Silver ECX1670A-B17 \$3.75 PDF Black Ουτ Black Black Silver ECX1670A-B35 \$3.75 PDF POWER ON Black Black Silver ECX1670A-B21 \$3.75 PDF PULL ON PUSH OFF Black Black Silver ECX1670A-B50 \$3.75 PDF RAISE \$3.75 Black Black Silver ECX1670A-B36 PDF READY Black Black Silver ECX1670A-B37 \$3.75 PDF RELEASE Black Black Silver ECX1670A-B54 \$3.75 PDF RESET Black Black Silver ECX1670A-B38 \$3.75 PDF RETRACT Black ECX1670A-B52 \$3.75 PDF Black Silver REVERSE Black ECX1670A-B08 PDF Black Silver \$3.75 RUN \$3.75 Black Black Silver ECX1670A-B09 PDF SAFE RUN Black ECX1670A-B45 \$3.75 PDF Black Silver START Black Black Silver ECX1670A-B10 \$3.75 PDF STOP PDF Black Black Silver ECX1670A-B11 \$3.75 STOP Red Red Silver ECX1670A-R11 \$3.75 PDF TEST \$3.75 Black Black PDF Silver ECX1670A-B39 TRANSFER Black ECX1670A-B40 \$3.75 Black Silver PDF TRIP PDF Black Black Silver ECX1670A-B41 \$3.75 UNCLAMP Black PDF Black Silver ECX1670A-B42 \$3.75 UP Black Black Silver ECX1670A-B12 \$3.75 PDF **UP OFF DOWN** Black Black Silver ECX1670A-B49 \$3.75 PDF

Note: Legend plate text is 3mm in height

Black

Black

Silver

ECX1670A-B18

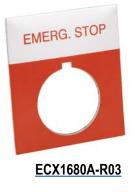
\$3.75

PDF

UP DOWN

22mm Metal Pilot Device Accessories





| Jumbo Aluminum Legend Plates | | | | | | |
|------------------------------|-------------------|---------------|------------------|---------------------|--------|-----------------|
| Legend | Color of Field | Text Color | Background Color | Part Number | Price | Drawing Link |
| Blank Plate | Black | - | Silver | ECX1680A-B | \$4.25 | PDF |
| Blank Plate | Red | - | Silver | <u>ECX1680A-R</u> | \$4.25 | PDF |
| EMERG. STOP | Red | Red | Silver | <u>ECX1680A-R03</u> | \$4.25 | <u>PDF</u> |
| HAND OFF AUTO | Black | Black | Silver | <u>ECX1680A-B20</u> | \$4.25 | PDF |
| JOG | Black | Black | Silver | <u>ECX1680A-B05</u> | \$4.25 | <u>PDF</u> |
| OFF ON | Black | Black | Silver | <u>ECX1680A-B16</u> | \$4.25 | <u>PDF</u> |
| OPEN CLOSE | Black | Black | Silver | ECX1680A-B17 | \$4.25 | <u>PDF</u> |
| POWER ON | Black | Black | Silver | <u>ECX1680A-B21</u> | \$4.25 | <u>PDF</u> |
| START | Black | Black | Silver | <u>ECX1680A-B10</u> | \$4.25 | PDF |
| STOP | Red | Red | Silver | <u>ECX1680A-R11</u> | \$4.25 | <u>PDF</u> |

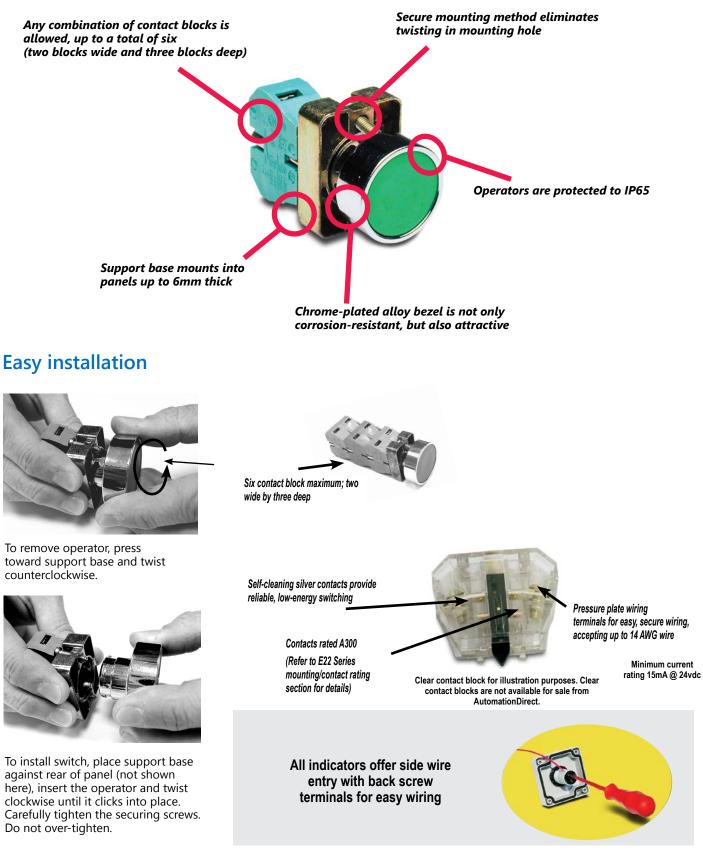
Note: Legend plate text is 3mm in height

1-800-633-0405 For the latest price E22 Series Cross-reference Tables

| | Pushbutton, | Indicator Light, and Selector S | witch Cross Referen | ce | | |
|-----------------------------|--|---|---|--|--|--|
| Cutler-Hammer | Allen-Bradley | Telemecanique XB2B (chrome bezel) XA2B (black bezel) | GE C-2000 | Siemens | | |
| Non-Illuminated Pushbuttons | | | | | | |
| <u>E22PB1A</u> | 800EPF2 800E3LX10 | ZA2BA2 ZA2BZ101 | P9XPNNG10N0 | 3SB1000-0AB01 3SB02-CBH 3SB1400-0B | | |
| <u>E22PB3A</u> | 800EPF3 800E3LX10 | ZA2BA3 ZA2BZ101 | P9XPNVG10N0 | 3SB1000-0AE01 3SB02-CBH 3SB1400-0B | | |
| <u>E22EB2B</u> | 800EPE4 800E3LX01 | ZA2BL4 ZA2BZ102 | P9XPNRS20N0 | 3SB1000-0LC01 3SB02-CBH 3SB1400-0B | | |
| E22ASB204 | ENCLSR: 800E-2P 800EP-F3 800E-2LX10 800E-2LX01 800E-2LX01 800E-34BE208 800E-34R212 | XALB211 Both flush - stop is not extended | P9CPNRSN20NO P9CPNVGN10NO P9EPB02 P9AEPN201 P9AEPN202 | 3SB02-S21 | | |
| | 1 | Illuminated Pushbuttons | | | | |
| <u>E22TB2X4B</u> | 800EPLE4 800E3DL3 800E3X01 | ZA2BW14 ZA2BW06224 | P9XPLRSDN12NADI | 3SB1001-OLC01 3SB02-CBH 3SB1400-0C 3SB1400-2H | | |
| <u>E22TB3X4A</u> | 800EPLE3 800E3DL3 800E3X10 | ZA2B213 AZ2B206124 | P9XPLVSDN12NADI | 3SB1001-0LE01 3SB02-CBH 3SB1400-0B 3SB1440-2H | | |
| <u>E22TB9X4A</u> | 800EPLE5 800E3DL3 800E3X10 | ZA2BW15 ZA2BW06124 | P9XPLASDN12NADI | 3SB1001-0LD01 3SB02-CBH 3SB1400-0B 3SB1400-2H | | |
| E22TB2X10B | 800EPLE4 800E2RL5 800E3X01 | ZA2BW14 ZA2BW062120 | P9XPLRSB P9PRNVJ P9PDNVD | 3SB1001-0LC01 3SB02-CBH 3SB1400-0C | | |
| E22TB3X10A | 800EPLE3 800E2RL5 800E3X10 | ZA2BW13 ZA2BW061120 | P9XPLVSD P9PRNVJ P9PDNVD | 3SB02-UPR1P 3SB1910-0DE 3SB1400-OB | | |
| E22TB9X10A | 800DPLE5 800E2RL5 800E3X10 | ZA2BW15 ZA2B2061120 | P9XPLASD P9PRNVJ P9PDNVD | 3SB02-UPR1P 3SB1910-0DD 3SB1400-0B | | |

GCX Series 22mm Metal Pilot Devices

Features



1-800-633-0405 **GCX Series 22mm Plastic Pilot Devices Specifications**

Assembly information

These pushbuttons and indicator lights are supplied with the appropriate contact blocks, unless otherwise indicated. Use these drawings as a guide to make sure there is adequate clearance behind the panel.

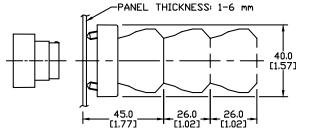
Dimensions

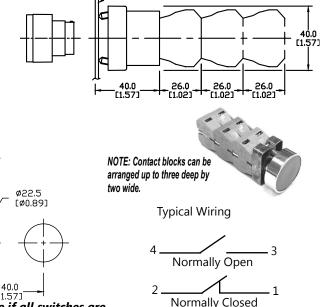
Pushbuttons and selector switches

Illuminated pushbuttons and selector switches/ indicator lights

PANEL THICKNESS: 1-6 mm

mm [inches]



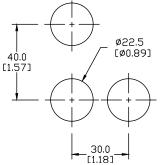


x1 .

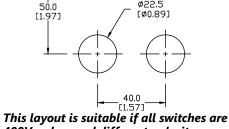
Indicator

x2

Mounting



This layout is suitable if all switches are 230V or less and the same polarity.



400V or less and different polarity.

Specifications

These specifications apply to all the GCX and ECX 22mm plastic pushbuttons and switches.

| EN 60947-5-1, CSA C22-2 n.14 File E189258, IMQ (where specified) rglass reinforced thermoplastic er 0 for <u>GCX3151-24</u> , <u>GCX3151-120</u> , <u>GCX3153-24</u> and (<u>3153-120</u> . IP65 for all others.(See Appendix of this log for explanation of IP ratings according to IEC 144 70-1.) | Rated Thermal Current (contact block) Rated Insulation Voltage Dielectric Strength Insulation Resistance Initial Contact Resistance | A300, Q300 (Refer to E22 Series mounting/contact rating section for details) Ui 660V according to CEI EN 60947-5-1, 300V according to CSA C22-2 n.14 and UL 508 3kV (1 second) 2MΩ min. (500VDC) | |
|---|--|---|--|
| rglass reinforced thermoplastic er 0 for <u>GCX3151-24</u> , <u>GCX3151-120</u> , <u>GCX3153-24</u> and (<u>3153-120</u> . IP65 for all others.(See Appendix of this log for explanation of IP ratings according to IEC 144 | Rated Insulation Voltage Dielectric Strength Insulation Resistance | Ui 660V according to CEI EN 60947-5-1, 300V according to CSA C22-2 n.14 and UL 508 3kV (1 second) 2MΩ min. (500VDC) | |
| or for <u>GCX3151-24</u> , <u>GCX3151-120</u> , <u>GCX3153-24</u> and (3153-120. IP65 for all others.(See Appendix of this log for explanation of IP ratings according to IEC 144 | Dielectric Strength Insulation Resistance | 300V according to CSA C22-2 n.14 and UL 508 3kV (1 second) 2MΩ min. (500VDC) | |
|) for <u>GCX3151-24</u> , <u>GCX3151-120</u> , <u>GCX3153-24</u> and (<u>3153-120</u> . IP65 for all others.(See Appendix of this log for explanation of IP ratings according to IEC 144 | Insulation Resistance | 2MΩ min. (500VDC) | |
| (3153-120. IP65 for all others.(See Appendix of this log for explanation of IP ratings according to IEC 144 | | | |
| log for explanation of IP ratings according to IEC 144 | Initial Contact Resistance | < 05-0 | |
| 70-1.) | | e ≤ 25mΩ | |
| | Short-Circuit Protection* | Cartridge fuses gl 10 A-500V 10, 3x38l1 100 KA | |
| 536, Class II | Terminal Markings | According to CENELEC EN 50013 | |
| age: -40 -to 80°C (-40 to 176° F) rating: -25° to +70°C (-13° to 158° F) | Connections | Single screw with non-loosening plate clamp,14AWG max.,Tighten to 0.8Nm max | |
| vorking positions are allowed | Contacts Operation | Self-cleaning types EN01 (N.C.) EN 10 (N.O.) slow- action, positive opening | |
| | Operation Frequency | 3600 operations per hour max. | |
| 0,000 operations rgency mushrooms and push-push pushbuttons: 000 operations | Utilization Category | AC15 (Control of AC electromagnetic loads) 24 volts AC at 10 amps 130 volts AC at 6.5 amps DC12 (Control of DC electromagnetic loads) | |
| ording to IEC 947-5-1) | | DC13 (Control of DC electromagnetic loads) 24 volts DC at 1.5 amps 110 volts DC at 0.5 amps | |
| hl 0 er 0 | buttons, selector switches, joy stick switches: ,000 operations gency mushrooms and push-push pushbuttons: 00 operations | Duttons, selector switches, joy stick switches: Operation Frequency 000 operations Utilization Category utilization Category Utilization Category | |

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