## GCX Series 22mm Plastic Key Switches and Selector Switches

## Key-operated selector switches



GCX3420 (2-position maintained)

- Keyed switches come with two keys.

| Part Number | Price | Description |
| :---: | :---: | :---: |
| GCX3420 | \$14.50 | 22mm plastic selector switch, key-operated, two-position maintained, key can be removed in all positions. One N.O. contact block. Replacement keys available |
| GCX3430 | \$14.50 | 22 mm plastic selector switch, key-operated, two-position spring-return from right. One N.O. contact block. Replacement keys available |
| GCX3470-22 | \$21.00 | 22mm plastic selector switch, key-operated, three-position maintained, key can be removed in all positions. Two N.O. and two N.C. contact blocks. Replacement keys available |

Note: Keyed switches come with two keys. All plastic 22mm keyed switches are keyed the same. Replacement keys are available. Order part no. ECX1067-2 (pkg. of 2). Keys for plastic 22 mm keyed switches are not compatible with Cutler-Hammer key switches.


Note: When using switches having two-deep contact blocks (such as, Model GCX3470-22) with the 22 mm plastic enclosures, be sure to use enclosures that are 74 mm deep. 51 mm-deep enclosures are too shallow and the switch body will not fit.

Dimensions: mm [inches]



GCX3300 Knob version


GCX3350
Lever version


Dimensions: mm [inches]


| Part Number | Price | Description - 2-Position Switches |
| :--- | :---: | :--- |
| GCX3300 | $\$ 7.75$ | 22mm plastic selector switch, two-position maintained, black knob. <br> One N.0. contact block, |
| GCX3310 | $\$ 8.50$ | 22 mm plastic selector switch, two-position spring-return from right, black knob. <br> One N.0. contact block |
| GCX3350 | $\$ 8.50$ | 22mm plastic selector switch, two-position maintained, black lever. <br> One N.0. contact block |
| GCX3360 | $\$ 9.00$ | 22mm plastic selector switch, two-position spring-return from right, black lever. <br> One N. $\mathbf{O}$. contact block |

Contact Closure Sequence for Two-Position Switch


| Contact <br> Blocks | Contact Arrangement <br> (viewed from front) |  | Switch Position <br> (viewed from front) |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Left | Right | Left (Note 1) | Right (Note 2) |
| $1 \times$ NC | NC |  | X |  |
|  |  | NC | X |  |
|  | NO |  |  | $X$ |
|  |  | NO |  | $X$ |
| $2 \times$ NC | NC | NC | XX |  |
| $2 \times$ NO | NO | NO |  | XX |

Note 1: Left switch position deactivates all contacts. Note 2: Right switch position activates all contacts.

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

## GCX Series 22mm Plastic Selector Switches

Three-position selector switches


GCX3330-22 Knob version


GCX3370-22 Lever version

| Part Number | Price | Description - 3-Position Switohes |
| :---: | :---: | :---: |
| GCX3320-22 | \$15.00 | 22mm plastic selector switch, three-position maintained, black knob, Two N.O. and two N.C. contact blocks |
| GCX3330-22 | \$15.50 | 22mm plastic selector switch, three-position spring-return to center, black knob, Two N.O. and two N.C. contact blocks |
| GCX3370-22 | \$15.50 | 22mm plastic selector switch, three-position, maintained. black lever, Two N.O. and two N.C. contact blocks |
| GCX3380-22 | \$16.00 | 2 mm plastic selector switch, three-position spring-return to center, black lever, Two N.O. and two N.C. contact blocks |

 and the switch body will not fit.

Dimensions: mm [inches]


Lever version
Contact Closure Sequence for Three-Position Switch

| Contact Closure Sequence - 3-Position Switoh |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Contact Blocks | Contact Arrangement (viewed from front) |  | Switch Position (viewed from front) |  |  |
|  | Left | Right | Left (Note 1) | Center (Note 2) | Right (Note 3) |
| $1 \times N C$ | NC |  |  | X | - X |
|  |  | NC | X | - X |  |
| 1×N0 | NO |  | X |  |  |
|  |  | NO |  |  | $x$ |
| $2 \times \mathrm{NC}$ | NC | NC | X | -XX | - X |
| $2 \times$ NO | NO | NO | X |  | $X$ |

Note 1: Left switch position activates left side contacts (viewed from front).
Note 2: Center switch position deactivates all contacts.
Note 2: Right switch position activates right side contacts (viewed from front).

## 22mm Plastic Pilot Device Accessories

## Replacement incandescent bulbs



## ECX1902-5

Replacement LED lamps


## ECX1915-2



## ECX1490

Protective covers for pushbuttons


## ECX1703-5

| Replacement Incandescent Bulbs |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Part Number | Quantity | Price | Rating | Description |
| ECX1900-5 | Pkg of 5 bulbs | \$8.75 | $\begin{aligned} & \text { 6V@ 200mA, } \\ & 1.2 \text { watts } \end{aligned}$ | 6 V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4 |
| ECX1902-5 | Pkg of 5 bulbs | \$8.75 | 24v@ 80mA 2 watts | 24 V replacement bulb for 22 mm switches and indicators. Miniature bayonet base T31/4 |
| ECX1904-5 | Pkg of 5 bulbs | \$18.00 | 130V@20mA 2.6 watts | 120 V replacement bulb for 22 mm switches and indicators. Miniature bayonet base T31/4 |

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

| Replacement Lil Lamps |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Part Number | Color | Quantity | Price | Rating | Description |
| ECX1911-2 | Red | $\underset{\text { Pkg of } 2 \text { LED }}{\text { lamps }}$ | \$16.00 | $\begin{aligned} & \text { 24V@26mA } \\ & 0.6 \text { watts } \end{aligned}$ | LED replacement lamp for miniature bayonet bases <br> Works with 22 mm switches and indicators, but illumination will not be as even when used with the ECX 22mm indicators <br> Note: Will not replace sealed Cutler-Hammer monoblock LED indicators. |
| ECX1912-2 | Green |  | \$20.00 |  |  |
| ECX1913-2 | Yellow |  | \$16.00 |  |  |
| ECX1914-2 | Blue |  | \$21.50 |  |  |
| ECX1915-2 | White |  | \$26.00 |  |  |
| ECX1921-2 | Red |  | \$16.00 | 120V@5mA 0.6 watts |  |
| ECX1922-2 | Green |  | \$20.00 |  |  |
| ECX1923-2 | Yellow |  | \$16.00 |  |  |
| ECX1924-2 | Blue |  | \$21.50 |  |  |
| ECX1925-2 | White |  | \$26.00 |  |  |

Note: LED modules have very low current draw and should not be used with triac output devices like PLC triac output modules. It is recommended that dry contact outputs be used to switch 120 volt AC LED modules.

| Mole Plug |  |  |  |
| :--- | :---: | :---: | :--- |
| Part Number | Color | Price | Description |
| ECX1490 | Black | $\$ 2.75$ | Plastic hole plug for 22.5 mm openings in panels and enclosures; supplied with <br> 0-ring and mounting screw. Two plugs per package. |


| Protective Covers for Pushbuttons |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Part Number | Color | Quantity | Price | Description |
| ECX1700-5 | Black | Pkg of 5 protective caps | \$7.00 | Silicone protective covers for use with 22mm standard-size flush pushbuttons. <br> Will not work with Cutler-Hammer pushbuttons, 22mm plastic illuminated or extended pushbuttons, or 22 mm plastic pushbuttons with 40 mm actuator face. |
| ECX1701-5 | Red |  | \$7.00 |  |
| ECX1702-5 | Green |  | \$7.00 |  |
| ECX1703-5 | Yellow |  | \$7.00 |  |
| ECX1704-5 | Blue |  | \$7.00 |  |
| ECX1705-5 | Clear |  | \$7.00 |  |
| ECX1706-5 | Clear |  | \$12.00 | Clear silicone protective covers for use with 22 mm illuminated and extended pushbuttons only. Will not work with Cutler-Hammer pushbuttons or 22mm mushroom pushbuttons. |

## 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 $0.16^{\prime \prime}$ (8 ga.) thick. Replacement bolts are offered in three of the most popular sizes. See the Tools section of the catalog for details.

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

Replacement keys


ECX1067-2

| Replacement KGys |  |  |  |
| :--- | :---: | :---: | :--- |
| Part Number | Quantity | Price | Description |
| ECX1067-2 | Pkg of 2 | $\$ 6.00$ | Replacement key for GCX series key-actuated selector switches, pack of 2 <br> sets (2 keys each). NOTE: Will not work with Cutler-Hammer 22mm <br> switches. |

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

## 22mm Plastic Pilot Device Accessories

Replacement 22mm support base


ECX3029-2

| Replacement 22mm Support Base |  |  |  |
| :--- | :--- | :--- | :--- |
| Part Number | Quantity | Price | Description |
| ECX3029-2 | Pkg of 1 | $\$ 1.75$ | 22mm plastic support base <br> Note: This item is supplied as a replacement part and is not required with any <br> switch assembly. Will not work with Cutler-Hammer 22mm switches sold by <br> AuToMAToDDIRECT |



Dimensions: mm [inches]

Replacement contact blocks


| Replacement Contact Blocks |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Part Number | Quantity | Price | Contacts | Description |
| ECX1030-2 | Pkg of 2 | \$6.75 | Red, normally-closed (N.C.) | Replacement contact block for 22mm pushbuttons and selector switches. <br> Tightening Torque, terminal screw: $0.8 \mathrm{~N} \cdot \mathrm{~m}$ max mounting screw: $0.5 \mathrm{~N} . \mathrm{m}$ max Note: Will not work with Cutler-Hammer 22mm switches sold by AutomationDirect |
| ECX1030-5 | Pkg of 5 | \$16.00 |  |  |
| ECX1040-2 | Pkg of 2 | \$6.75 | Green, normally-open (N.O.) |  |
| ECX1040-5 | Pkg of 5 | \$16.00 |  |  |
| ECX1042-2 | Pkg of 2 | \$6.75 | Brown, normally-open (N.O.), push-push | Use on lighted Push-push button only |


ECX1030-2


## EMERGENCY STOP legend plate



| EMERGENCY STOP Legend Plate |  |  |  |
| :--- | :---: | :---: | :--- |
| Part Number | Quantity | Price | Description |
| ECX1651 | pkg. of 1 | $\$ 2.75$ | Oversize <br> type evolow circular EMERGENCY STOP legend plate for 22mm pushbuttons, 60mm outside diameter. |

Two-position short lever operator


GR1172PR-5

| Short LGVGr Replacement Operator |  |  |  |  |
| :--- | :---: | :---: | :--- | :--- |
| Part Number | Lamp <br> Color | Price | 2-Position | Use with |
| GR1172PR-5 | Red | $\$ 15.50$ | 22mm 2-position selector switch illuminated <br> short lever replacement operator, 5/pk |  |
| GR1172PV-5 | Green | $\$ 15.50$ | 22mm 2-position selector switch illuminated <br> short lever replacement operator, 5/pk | Part numbers starting with |
| GCX124, GCX125 |  |  |  |  |
| GCX324, GCX325 |  |  |  |  |

## 22mm Plastic Pilot Device Accessories

Three-position short lever operator


| Short Lever Replacement Operator |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Part Number | Lamp <br> Color | Price | 3-Position | Use with |
| GR1288PR-5 | Red | \$15.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk | Part numbers starting with GCX126, GCX128 GCX326, GVX328 |
| GR1288PV-5 | Green | \$15.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk |  |
| GR1288PG-5 | Yellow | \$15.50 | 22mm 3-position selector switch illuminated short lever replacement operator, $5 / \mathrm{pk}$ |  |
| GR1288PB-5 | Blue | \$15.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk |  |
| GR1288PN-5 | Clear | \$15.50 | 22mm 3-position selector switch illuminated short lever replacement operator, 5/pk |  |



Flush pushbutton replacement operator


| Flush Pushbutton Replacement Operator |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Part Number | Lamp Color | Price | Description | Use with |
| GR1168PR-5 | Red | \$8.50 | 22mm illuminated flush pushbutton replacement operator, 5/pk | Part numbers starting with <br> GCX119, GCX120 <br> GCX319, GCX320 |
| GR1168PV-5 | Green | \$8.50 | 22mm illuminated flush pushbutton replacement operator, 5/pk |  |
| GR1168PG-5 | Yellow | \$8.50 | 22 mm illuminated flush pushbutton replacement operator, 5/pk |  |
| GR1168PB-5 | Blue | \$8.50 | 22mm illuminated flush pushbutton replacement operator, 5/pk |  |
| GR1168PN-5 | Clear | \$8.50 | 22mm illuminated flush pushbutton replacement operator, $5 / \mathrm{pk}$ |  |
| GR1168PW-5 | White | \$8.50 | 22 mm illuminated flush pushbutton replacement operator, 5/pk |  |

## GR1168PR-5

## Extended pushbutton

 replacement operator

PL1308PR-5

| Extended Pushbution Replacement Operator |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Part Number | Lamp Color | Price | Description | Use with |
| PL1308PR-5 | Red | \$6.50 | 22mm illuminated extended pushbutton, replacement operator, 5/pk | Part numbers starting with GCX121, GCX321 |
| PL1308PV-5 | Green | \$6.50 | 22mm illuminated extended pushbutton, replacement operator, 5/pk |  |
| PL1308PG-5 | Yellow | \$6.50 | 22mm illuminated extended pushbutton, replacement operator, 5/pk |  |
| PL1308PB-5 | Blue | \$6.50 | 22 mm illuminated extended pushbutton, replacement operator, 5/pk |  |
| PL1308PN-5 | Clear | \$6.50 | 22mm illuminated extended pushbutton, replacement operator, 5/pk |  |
| PL1308PW-5 | White | \$6.50 | 22mm illuminated extended pushbutton, replacement operator, 5/pk |  |

## 22mm Plastic Pilot Device Accessories

## Legend plates

Plastic legend plates for use with 22 mm pilot devices. White engraved text on colored background. O-ring included.


## ECX1670-R03

| Plastic Legend Plates |  |  |  |
| :---: | :---: | :---: | :---: |
| Legend | Golor of Ficld | Part Number | Price |
| AUTO OFF HAND | Black | ECX1670-B46 | \$3.50 |
| Blank Plate | Black | ECX1670-B | \$3.00 |
| Blank Plate | Red | ECX1670-R | \$3.00 |
| CLAMP | Black | ECX1670-B24 | \$3.50 |
| CLOSE | Black | ECX1670-B01 | \$3.00 |
| DOWN | Black | ECX1670-B02 | \$3.00 |
| EMERG. STOP | Red | ECX1670-R03 | \$3.00 |
| EXTEND | Black | ECX1670-B51 | \$3.50 |
| FEEDER OFF | Black | ECX1670-B26 | \$3.50 |
| FEEDER ON | Black | ECX1670-B25 | \$3.50 |
| FOR OFF REV | Black | ECX1670-B19 | \$3.00 |
| FOR-REV | Black | ECX1670-B13 | \$3.00 |
| FORWARD | Black | ECX1670-B04 | \$3.00 |
| GRIP | Black | ECX1670-B53 | \$3.50 |
| HAND-AUTO | Black | ECX1670-B14 | \$3.00 |
| HAND OFF AUTO | Black | ECX1670-B20 | \$3.00 |
| HIGH | Black | ECX1670-B27 | \$3.50 |
| HIGH LOW | Black | ECX1670-B43 | \$3.50 |
| IN | Black | ECX1670-B28 | \$3.50 |
| INCH | Black | ECX1670-B29 | \$3.50 |
| JOG | Black | ECX1670-B05 | \$3.00 |
| JOG FOR | Black | ECX1670-B30 | \$3.50 |
| JOG REV | Black | ECX1670-B31 | \$3.50 |
| JOG-RUN | Black | ECX1670-B15 | \$3.00 |
| LOW | Black | ECX1670-B32 | \$3.50 |
| LOWER | Black | ECX1670-B33 | \$3.50 |

Note: Legend plate text is 3mm in height


Dimensions: mm [inches]

## 22mm Plastic Pilot Device Accessories



ECX1690-B16

| Jumbo Plastic Legend Plates |  |  |  |
| :--- | :---: | :---: | :---: |
| Legend | Color of <br> Ffeld | Part <br> Number | Price |
| Blank Plate | Black | ECX1690-B | $\$ 3.50$ |
| Blank Plate | Red | ECX1690-R | $\$ 3.50$ |
| EMERG. STOP | Red | ECX1690-R03 | $\$ 3.50$ |
| HAND-OFF-AUTO | Black | ECX1690-B20 | $\$ 3.50$ |
| JOG | Black | $\underline{\text { ECX1690-B05 }}$ | $\$ 3.50$ |
| OFF-ON | Black | ECX1690-B16 | $\$ 3.50$ |
| OPEN-CLOSE | Black | $\frac{\text { ECX1690-B17 }}{}$ | $\$ 3.50$ |
| POWER ON | Black | ECX1690-B21 | $\$ 3.50$ |
| START | Black | ECX1690-B10 | $\$ 3.50$ |
| STOP | Red | ECX1690-R11 | $\$ 3.50$ |

Note: Legend plate text is 3mm in height


## 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.

## Pushbuttons and selector switches

## Illuminated pushbuttons and selector switches/indicator lights



## Mounting



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

## Specifications

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

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


This layout is suitable if all switches are 400 V or less and different polarity.

| Physical Specifications |  |
| :---: | :---: |
| Standards Reference | CEI EN 60947-5-1, CSA C22-2 n. 14 |
| Approvals | UL File E189258, IMQ (where specified) |
| Enclosure Material | Fiberglass reinforced thermoplastic |
| Contacts Material | Silver |
| Protection Degree | IP 40 for GCX3151-24, GCX3151-120, GCX3153-24 and GCX3153-120. IP 65 tor all others. (See Appendix ot this catalog for explanation of IP ratings according to IEC 144 CEI $70-1$.) |
| Electric Shock Protection | IEC 536, Class II |
| Temperature Ratings | Storage: $-40^{\circ}$-to $80^{\circ} \mathrm{C}\left(-40^{\circ}\right.$ to $\left.176^{\circ} \mathrm{F}\right)$ Operating: $-25^{\circ}$ to $+70^{\circ} \mathrm{C}\left(-13^{\circ}\right.$ to $\left.158^{\circ} \mathrm{F}\right)$ |
| Working Positions | All working positions are allowed |
| Mechanical Life | Pushbuttons, selector switches, joy stick switches: 1,000,000 operations <br> Emergency mushrooms and push-push pushbuttons: 300,000 operations |
| Positive Opening Operation | (according to IEC 947-5-1) <br> All functions incorporating an NC contact are positive opening operation |


| Electrical 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, 300 V according to CSA C22-2 n. 14 and UL 508 |
| Dielectric Strength | 3 KV (1 second) |
| Insulation Resistance | $2 \mathrm{M} \Omega$ min. (500VDC) |
| Initial Contact Resistance | $\leq 25 \mathrm{~m} \Omega$ |
| Short-Circuit Protection* | Cartridge fuses gl $10 \mathrm{~A}-500 \mathrm{~V} 10,3 \times 3811100 \mathrm{KA}$ |
| Terminal Markings | According to CENELEC EN 50013 |
| Connections | Single screw with non-loosening plate clamp,14AWG max., Tighten to 0.8 Nm max |
| Contacts Operation | Self-cleaning types ENO1 (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 <br> DC13 (Control of DC electromagnetic loads) 24 volts DC at 1.5 amps 110 volts DC at 0.5 amps |

${ }^{*}$ Note: Recommended, not supplied

To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page.

## E:T•N E22 Mounting / NEMA <br> Cutler-Hammer <br> Aux Contact Ratings

## Mounting

Dimensions: mm [inches]


| Minimum Spacing — mm [inches] |  |  |
| :--- | :--- | :--- |
| Size/Type of Operator | Dimensions |  |
|  | A | B |
| All types up to 30 (1.18) dia. including knob and key operated selector switches - <br> except those listed below <br> Three-way adapter | $30(1.18)$ | $50(1.97)$ |
| 50 (1.97) dia. operators | $55(2.16)$ | $55(2.16)$ |
| Large yellow round legend plate - $70(2.76)$ diameter | $75(2.95)$ | $50(1.97)$ |


| Approximate Dimensions - mm [inches] |  |  |  |
| :--- | :--- | :--- | :--- |
| A | B | C | D |
| Single circuit block — full <br> voltage and resistor units | Dual circuit contact <br> block | Transformer light unit | Transformer light unit and single <br> circuit contact block |
| Pushbuttons (All Types and Push-Pull) |  |  |  |
| $51[2.0]$ | 66 (2.6) | $74(2.91)$ | $94(3.7)$ |
| Key and Knob Selector Switches |  |  |  |
| $57[2.2]$ | $72(2.83)$ | $80(3.15)$ | $99(3.9)$ |

## Back-of-panel <br> extensions

Note: This view is to show dimensions only. Contact blocks are not stackable.


## Key and Knob Selector Switches

72 (283)

## Control Circuit Contact

Electrical Ratings and Wiring

Typical Wiring


Indicator

## NEMA Mechanical Switching Ratings and Test Values for IC Control

 Gircuit Gontacts| Contact <br> Rating <br> Desig- <br> nation | Thermal <br> Continuous <br> Test Current <br> (A) | M25 Volts | 250 Volts | $\mathbf{3 0 1}$ to $\mathbf{6 0 0}$ Volts | Volt amperes |
| :---: | :---: | :---: | :---: | :---: | :---: |
| P300 | 5.0 | 1.1 | 0.55 | --- | 138 |
| P600 | 5.0 | 1.1 | 0.55 | 0.20 | 138 |
| Q300 | 2.5 | 0.55 | 0.27 | --- | 69 |
| Q600 | 2.5 | 0.55 | 0.27 | 0.10 | 69 |
| R300 | 1.0 | 0.22 | 0.11 | --- | 28 |

This chart is provided as a guideline only, and the ratings and values are not guaranteed to be accurate. It is the users' responsibility to properly size their control circuit devices. The chart values are from NEMA Standard ICS 5-2000, Table 1-4-2.

| NEMA Mechanical Switching Ratings and Test Values for AC Gontrol Circuit Contacts |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Contact Rating Designation | Thermal Continuous Test Current (A) | Maximum AC Current, 50/60Hz (A) |  |  |  |  |  |  |  | Volt amperes |  |
|  |  | 120 Volts |  | 240 Volts |  | 480 Volts |  | 600 Volts |  |  |  |
|  |  | Make | Break | Make | Break | Make | Break | Make | Break | Make | Break |
| A300 | 10 | 60 | 6.00 | 30 | 3.00 | --- | --- | --- | --- | 7200 | 720 |
| A600 | 10 | 60 | 6.00 | 30 | 3.00 | 15 | 1.50 | 12 | 1.20 | 7200 | 720 |
| B300 | 5 | 30 | 3.00 | 15 | 1.50 | --- | --- | --- | --- | 3600 | 360 |
| B600 | 5 | 30 | 3.00 | 15 | 1.50 | 7.5 | 0.75 | 6 | 0.60 | 3600 | 360 |
| C600 | 2.5 | 15 | 1.5 | 7.5 | 0.75 | 3.75 | 0.375 | 3.00 | 0.30 | 1800 | 180 |
| This chart is provi trol circuit device | d as a guidelin The chart value | only, and are from | e ratings MA Stand | $\begin{aligned} & \text { values a } \\ & \text { IICS } 5-20 \end{aligned}$ | not guara Table 1- | d to be |  | users | nsibility | properly | their |

