GCX Series 22mm Plastic Key Switches and Selector Switches

Key-Operated Selector Switches



	Key-Operated Selector Switches						
Part Number	Price	Drawing Link	Description				
GCX3420	\$15.50	PDF	AutomationDirect selector switch, 22mm, 2-position, maintained, key removable in all positions, (1) N.O. contact(s), plastic base, plastic bezel, Operator: black, key, 30mm, round, plastic.				
GCX3430	\$15.50	<u>PDF</u>	AutomationDirect selector switch, IP65, 22mm, 2-position, spring return from right, key removable left position, (1) N.O. contact(s), plastic base, plastic bezel, Operator: black, key, 30mm, round, plastic.				
GCX3470-22	\$22.50	PDF	AutomationDirect selector switch, 22mm, 3-position, maintained, key removable in all positions, (2) N.O./(2) N.C. contact(s), plastic base, plastic bezel, Operator: black, key, 30mm, round, plastic.				



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



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

Two-Position Selector Switches



GCX3300 Knob version

	Two-Position Selector Switches							
Part Number Price Drawing Link		, ,	Description					
GCX3300	\$8.25	PDF	AutomationDirect selector switch, 22mm, 2-position, maintained, (1) N.O. contact(s), plastic base, plastic bezel, Operator: black, knob, 30mm, round, plastic.					
GCX3310	\$9.00	PDF	AutomationDirect selector switch, 22mm, 2-position, spring return from right, (1) N.O. contact(s), plastic base, plastic bezel, Operator: black, knob, 30mm, round, plastic.					
GCX3350	\$9.00	PDF	AutomationDirect selector switch, 22mm, 2-position, maintained, (1) N.O. contact(s), plastic base, plastic bezel, Operator: black, lever, 30mm, round, plastic.					
GCX3360	\$9.50	PDF	AutomationDirect selector switch, 22mm, 2-position, spring return from right, (1) N.O. contact(s), plastic base, plastic bezel, Operator: black, lever, 30mm, round, plastic.					



GCX3350 Lever version

	Contact Closure Sequence - 2-Position Switch								
Contact	Contact A (viewed	Switch Position (viewed from front)							
Blocks	Left	Right	Left (Note 1)	Right (Note 2)					
1 x N.C.	N.C.		Х						
I X N.C.		N.C.	Х						
1 x N.O.	N.O.			Х					
I X N.O.		N.O.		Х					
2 x N.C.	N.C.	N.C.	XX						
2 x N.O.	N.O.	N.O.		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







GCX3370-22 Lever version

	Three-Position Selector Switches							
Part Number	Price Drawing Link Description							
GCX3320-22	\$16.00	<u>PDF</u>	AutomationDirect selector switch, 22mm, 3-position, maintained, (2) N.O./(2) N.C. contact(s), plastic base, plastic bezel, Operator: black, knob, 30mm, round, plastic.					
GCX3330-22	\$16.50	PDF	AutomationDirect selector switch, 22mm, 3-position, spring return to center, (2) N.O./(2) N.C. contact(s), plastic base, plastic bezel, Operator: black, knob, 30mm, round, plastic.					
GCX3370-22	\$16.50	PDF	AutomationDirect selector switch, 22mm, 3-position, maintained, (2) N.O./(2) N.C. contact(s), plastic base, plastic bezel, Operator: black, lever, 30mm, round, plastic.					
GCX3380-22	\$17.00	PDF	AutomationDirect selector switch, 22mm, 3-position, spring return to center, (2) N.O./(2) N.C. contact(s), plastic base, plastic bezel, Operator: black, lever, 30mm, round, plastic.					



Note: When using switches having two-deep contact blocks with the 22mm 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.

Contact Closure Sequence for Three-Position Switches

	Contact Closure Sequence - 3-Position Switches									
Contact		Arrangement I from front)	Switch Position (viewed from front)							
Blocks	Left	Right	Left (Note 1)	Center (Note 2)	Right (Note 3)					
1 x N.C.	N.C.			х —	— х					
I X N.C.		N.C.	х —	— х						
1 x N.O.	N.O.		Х							
I X IN.O.		N.O.			Х					
2 x N.C.	N.C.	N.C.	Х	x	— х					
2 x N.O.	N.O.	N.O.	Х		Х					

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).

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

Replacement Incandescent Bulbs



ECX1902-5

Replacement LED Lamps



ECX1915-2

Hole Plug



ECX1490

Protective Covers for Pushbuttons



ECX1703-5

Knockout Punches



Replacement Keys



ECX1067-2

	Replacement Incandescent Bulbs								
Part Number	Part Number Quantity Price			Description					
ECX1900-5	5	\$9.50	6V@ 200mA 1.2 watts	6V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4					
ECX1902-5	5	\$9.50	24V@ 80mA 2 watts	24V replacement bulb for 22mm switches and indicators. Miniature bayonet base T31/4					
ECX1904-5	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									
Part Number	Color	Quantity	Price	Rating	Description					
ECX1911-2	Red		\$17.50							
ECX1912-2	Green		\$22.00	0.01.000						
ECX1913-2	Yellow		\$17.50	24V@26mA 0.6 watts						
ECX1914-2	Blue		\$23.50		LED replacement lamp for miniature bayonet bases Works with 22mm switches and indicators, but					
ECX1915-2	White	2	\$28.00		illumination will not be as even when used with the					
ECX1921-2	Red		\$17.50		ECX 22mm indicators					
ECX1922-2	Green		\$22.00	4001/05 4	Note: Will not replace sealed Cutler-Hammer monoblock LED indicators.					
ECX1923-2	Yellow		\$17.50	120V@5mA 0.6 watts	MONOBIOCK LED MUICA(OIS.					
ECX1924-2	Blue		\$23.50	0.0 Walls						
ECX1925-2	White		\$28.00							

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.

	Hole Plug					
Part Number	Part Number Color Price Description					
ECX1490	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.			

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

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. See the Tools section of the catalog for details.

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

	Replacement Keys					
Part Number	Quantity	Price	Description			
ECX1067-2	2	\$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.			

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

Replacement 22mm Support Base

	Replacement 22mm Support Base							
Part Number	Quantity	Price	Drawing Link	Description				
ECX3029-2	1	\$1.75	<u>PDF</u>	22mm plastic 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				



ECX3029-2

Replacement Contact Blocks

	Replacement Contact Blocks										
Part Number	Quantity	Price	Drawing Link	Contacts	Description						
ECX1030-2	2	\$7.25	PDF	Red,	Replacement contact block for 22mm pushbuttons and						
ECX1030-5	5	\$17.00	PDF	normally-closed (N.C.)	selector switches. Tightening Torque, terminal screw: 0.8 N⋅m max						
ECX1040-2	2	\$7.25	PDF	Green,	mounting screw: 0.5 N·m max Note: Will not work with Cutler-Hammer 22mm switches						
ECX1040-5	5	\$17.00	PDF	normally-open (N.O.)	sold by AutomationDirect						
ECX1042-2	2	\$7.25	<u>PDF</u>	Brown, normally-open (N.O.), push-push	Use on lighted Push-push button only						



ECX1030-2

Note: See electrical specifications on GCX Series 22mm Plastic Pilot Devices

EMERGENCY STOP Legend Plate

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



ECX1651

Two-Position Short Lever Pperator

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			
GR1172PG-5	Yellow	\$16.50	22mm 2-position selector switch illuminated short lever replacement operator, 5/pk	GCX124, GCX125			
GR1172PB-5	Blue	\$16.50	22mm 2-position selector switch illuminated short lever replacement operator, 5/pk	GCX324, GCX325			
GR1172PN-5	Clear	\$16.50	22mm 2-position selector switch illuminated short lever replacement operator, 5/pk				



GR1172PR-5

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Three-Position Short Lever Operator

Short Lever Replacement Operator							
Part Number	Use with						
<u>GR1288PR-5</u>	Red	\$16.50	22mm 3-position selector switch illuminated short lever replacement operator, 5/pk				
GR1288PV-5	Green	\$16.50	22mm 3-position selector switch illuminated short lever replacement operator, 5/pk				
GR1288PG-5	Yellow	\$16.50	22mm 3-position selector switch illuminated short lever replacement operator, 5/pk	Part numbers starting with GCX126, GCX128			
GR1288PB-5	Blue	\$16.50	22mm 3-position selector switch illuminated short lever replacement operator, 5/pk	GCX326, GVX328			
GR1288PN-5	Clear	\$16.50	22mm 3-position selector switch illuminated short lever replacement operator, 5/pk				



GR1288PR-5

Mushroom Switch Replacement Operator

	Mushroom Switch Replacement Operator								
Part Number	Lamp Color	Price	Description	Use with					
PL1171PR-5	Red	\$7.25	22mm, illuminated momentary Mushroom switch replacement operator, red, 5/pk	Part numbers starting with GCX1221, GCX3221 mushroom-style illuminated pushbuttons					
PL1298P-5	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	Part Number Lamp Color Price Description							
<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				
GR1168PB-5	Blue	\$9.00	22mm illuminated flush pushbutton replacement operator, 5/pk	GCX119, GCX120 GCX319, GCX320				
GR1168PN-5	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	Part Number Lamp Color Price Description							
PL1308PR-5	Red	\$7.00	22mm illuminated extended pushbutton, replacement operator, 5/pk					
PL1308PV-5	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					
PL1308PW-5	White	\$7.00	22mm illuminated extended pushbutton, replacement operator, 5/pk					



Legend Plates

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





P	Plastic Legend Plates						
Legend	Color of Field	Part Number	Price	Drawing Link			
AUTO OFF HAND	Black	ECX1670-B46	\$3.75	PDF			
Blank Plate	Black	ECX1670-B	\$3.00	PDF			
Blank Plate	Red	ECX1670-R	\$3.00	PDF			
CLAMP	Black	ECX1670-B24	\$3.75	PDF			
CLOSE	Black	ECX1670-B01	\$3.00	PDF			
DOWN	Black	ECX1670-B02	\$3.00	PDF			
EMERG. STOP	Red	ECX1670-R03	\$3.00	PDF			
EXTEND	Black	ECX1670-B51	\$3.75	PDF			
FEEDER OFF	Black	ECX1670-B26	\$3.75	PDF			
FEEDER ON	Black	ECX1670-B25	\$3.75	PDF			
FOR OFF REV	Black	ECX1670-B19	\$3.00	PDF			
FOR-REV	Black	ECX1670-B13	\$3.00	PDF			
FORWARD	Black	ECX1670-B04	\$3.00	PDF			
GRIP	Black	ECX1670-B53	\$3.75	PDF			
HAND-AUTO	Black	ECX1670-B14	\$3.00	PDF			
HAND OFF AUTO	Black	ECX1670-B20	\$3.00	PDF			
HIGH	Black	ECX1670-B27	\$3.75	PDF			
HIGH LOW	Black	ECX1670-B43	\$3.75	PDF			
IN	Black	ECX1670-B28	\$3.75	PDF			
INCH	Black	ECX1670-B29	\$3.75	PDF			
JOG	Black	ECX1670-B05	\$3.00	PDF			
JOG FOR	Black	ECX1670-B30	\$3.75	PDF			
JOG REV	Black	ECX1670-B31	\$3.75	PDF			
JOG-RUN	Black	ECX1670-B15	\$3.00	PDF			
LOW	Black	ECX1670-B32	\$3.75	PDF			
LOWER	Black	ECX1670-B33	\$3.75	<u>PDF</u>			

Note: Legend plate text is 3mm in height

Pla	Plastic Legend Plates						
Legend	Color of Field	Part Number	Price	Drawing Link			
MAN AUTO	Black	ECX1670-B44	\$3.75	PDF			
MAN OFF AUTO	Black	ECX1670-B47	\$3.75	PDF			
MOTOR RUN	Black	ECX1670-B22	\$3.00	PDF			
MOTOR STOP	Black	ECX1670-B23	\$3.00	PDF			
OFF	Black	ECX1670-B34	\$3.75	PDF			
OFF-ON	Black	ECX1670-B16	\$3.00	PDF			
ON	Black	ECX1670-B06	\$3.00	PDF			
OPEN	Black	ECX1670-B07	\$3.00	PDF			
OPEN OFF CLOSE	Black	ECX1670-B48	\$3.75	PDF			
OPEN-CLOSE	Black	ECX1670-B17	\$3.00	PDF			
OUT	Black	ECX1670-B35	\$3.75	PDF			
POWER ON	Black	ECX1670-B21	\$3.00	PDF			
PULL ON PUSH OFF	Black	ECX1670-B50	\$3.75	PDF			
RAISE	Black	ECX1670-B36	\$3.75	PDF			
READY	Black	ECX1670-B37	\$3.75	<u>PDF</u>			
RELEASE	Black	ECX1670-B54	\$3.75	PDF			
RESET	Black	ECX1670-B38	\$3.75	PDF			
RETRACT	Black	ECX1670-B52	\$3.75	PDF			
REVERSE	Black	ECX1670-B08	\$3.00	PDF			
RUN	Black	ECX1670-B09	\$3.00	PDF			
SAFE RUN	Black	ECX1670-B45	\$3.75	PDF			
START	Black	ECX1670-B10	\$3.00	PDF			
STOP	Black	ECX1670-B11	\$3.00	PDF			
STOP	Red	ECX1670-R11	\$3.00	PDF			
TEST	Black	ECX1670-B39	\$3.75	PDF			
TRANSFER	Black	ECX1670-B40	\$3.75	PDF			
TRIP	Black	ECX1670-B41	\$3.75	PDF			
UNCLAMP	Black	ECX1670-B42	\$3.75	PDF			
UP	Black	ECX1670-B12	\$3.00	PDF			
UP OFF DOWN	Black	ECX1670-B49	\$3.75	PDF			
UP-DOWN	Black	ECX1670-B18	\$3.00	PDF			

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ECX1690-B16

ECX1690-R11

Jumbo Plastic Legend Plates							
Legend	Color of Field	Part Number	Price	Drawing Link			
Blank Plate	Black	ECX1690-B	\$3.75	PDF			
Blank Plate	Red	ECX1690-R	\$3.75	<u>PDF</u>			
EMERG. STOP	Red	ECX1690-R03	\$3.75	PDF			
HAND-OFF-AUTO	Black	ECX1690-B20	\$3.75	PDF			
JOG	Black	ECX1690-B05	\$3.75	<u>PDF</u>			
OFF-ON	Black	ECX1690-B16	\$3.75	PDF			
OPEN-CLOSE	Black	ECX1690-B17	\$3.75	PDF			
POWER ON	Black	ECX1690-B21	\$3.75	PDF			
START	Black	ECX1690-B10	\$3.75	<u>PDF</u>			
STOP	Red	ECX1690-R11	\$3.75	PDF			

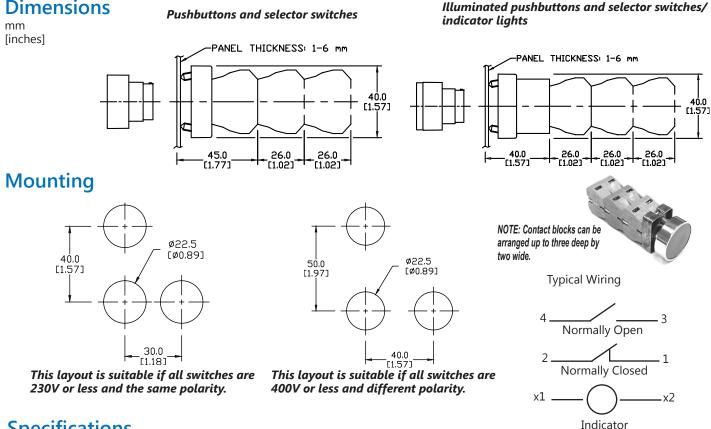
Note: Legend plate text is 3mm in height

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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.



Specifications

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

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	IP40 for GCX3151-24, GCX3151-120, GCX3153-24 and GCX3153-120. IP65 for all others.(See Appendix of 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 -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 Emergency mushrooms and push-push pushbuttons: 300,000 operations				
Positive Opening Operation	(according to IEC 947-5-1) 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, 300V according to CSA C22-2 n.14 and UL 508				
Dielectric Strength	3kV (1 second)				
Insulation Resistance	2MΩ min. (500VDC)				
Initial Contact Resistance	≤ 25mΩ				
Short-Circuit Protection*	Cartridge fuses gl 10 A-500V 10, 3x38l1 100 KA				
Terminal Markings	According to CENELEC EN 50013				
Connections	Single screw with non-loosening plate clamp,14AWG max.,Tighten to 0.8Nm 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				

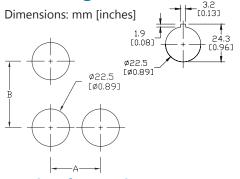
*Note: Recommended, not supplied

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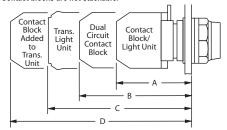
E22 Mounting / NEMA Aux Contact Ratings

Mounting



Back-of-panel extensions

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

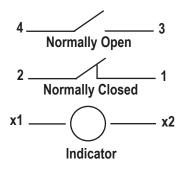


Minimum Spacing — mm [inches]							
Oire/Turn of Onewater	Dimens	Dimensions					
Size/Type of Operator	A	В					
All types up to 30 (1.18) dia. including knob and key operated selector switches — except those listed below Three-way adapter	30 (1.18)	50 (1.97)					
50 (1.97) dia. operators	55 (2.16)	55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

Approximate Dimensions — mm [inches]							
Α	В	С	D				
Single circuit block — full voltage and resistor units	Dual circuit contact block	Transformer light unit	Transformer light unit and single 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)				

Control Circuit Contact Electrical Ratings and Wiring

Typical Wiring



NEMA Me	echanical	Switching Ratings and Test Va	lues for DC					
Control Circuit Contacts								
	Thormal	Maximum Make or Brook DC Current (4)						

Control Circuit Contacts								
Contact Rating Designation	Thermal	Maximum						
	Continuous Test Current (A)	125 Volts	250 Volts	301 to 600 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 Control Circuit Contacts											
Contact Rating Designation	Thermal Continuous Test Current (A)	Maximum AC Current, 50/60Hz (A)								Volt omnores	
		120 Volts		240 Volts		480 Volts		600 Volts		Volt amperes	
		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 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 1-4-1.