1-800-633-0405 **GCX Series 22mm Metal Selector Switches**

Two-Position Selector Switches

Two-Position Selector Switches								
Part Number	Part Number Price Drawing Link		Description					
<u>GCX1300</u>	\$10.50	PDF	22mm metal selector switch, two-position maintained, black knob. One N.O. contact block					
<u>GCX1310</u>	\$12.50	PDF	22mm metal selector switch, two-position spring-return from right, black knob .One N.O. contact block					
<u>GCX1350</u>	\$12.50	PDF	22mm metal selector switch, two-position maintained, black lever. One N.O. contact block					
<u>GCX1360</u>	\$13.00	PDF	22mm metal selector switch, two-position spring-return from right, black lever. One N.O. contact block					



GCX1300 Knob version



Contact Closure Sequence - 2-Position Switch							
Contact Blocks	Contact Arraı (viewed fron		Switch Position (viewed from front)				
	Left	Right	Left (Note 1)	Right (Note 2)			
1 x N.C.	N.C.		Х				
		N.C.	x				
	N.O.			Х			
1 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.

Three-Position Selector Switches

Three-position Selector Switches							
Part Number Price Drawing Link		Drawing Link	Description				
<u>GCX1320-22</u>	\$21.50	PDF	22mm metal selector switch, three-position maintained, black knob. Two N.O. and two N.C. contact blocks				
<u>GCX1330-22</u>	\$22.00	PDF	22mm metal selector switch, three-position spring-return to center, black knob. Two N.O. and two N.C. contact blocks				
<u>GCX1370-22</u>	\$22.00	PDF	22mm metal selector switch, three-position maintained. black lever. Two N.O. and two N.C. contact blocks				
<u>GCX1380-22</u>	\$22.50	<u>PDF</u>	22mm metal selector switch, three-position spring-return to center, black lever. Two N.O. and two N.C. contact blocks				

Contact Closure Sequence - 3-Position Switch								
Contact Blocks	(interned from fr			n ont)				
	Left	Right	Left (Note 1)	Center (Note 2)	Right (Note 3)			
1	N.C.			x —	X			
1 x N.C.		N.C.	х —	X				
1	N.O.		Х					
1 x N.O.		N.O.			Х			
2 x N.C.	N.C.	N.C.	х —	xx	x			
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).





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

GCX Series 22mm Metal Pilot Devices Specifications

Assembly information

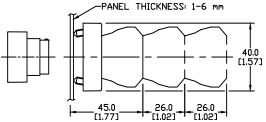
These pushbuttons and indicator lights are supplied with the appropriate contact blocks, unless otherwise indicated. Use these drawings as a guide to make sure there is adequate clearance behind the panel.

Pushbuttons and selector switches

Mounting

4<u>0</u>.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

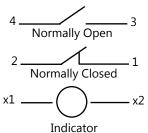
26.0

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]

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</u> , <u>GCX3153-24</u> and <u>GCX3153-120</u> . IP65 for all others. (See Appendix of this catalog for explanation of IP ratings 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				

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				
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

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	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				
<u>ECX1921-2</u>	Red	2	\$17.50		ECX 22mm indicators				
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	0.0 Wallo					
ECX1925-2	White		\$28.00						

Contraction of the second seco

ECX1902-5



Hole plug

Hole Plug							
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				



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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		\$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	5	\$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

			Rep	lacement Con	tact 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.

1-800-633-0405 For the latest prices, please check AutomationDirect.com. 22mm Metal Pilot Device Accessories

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 Pri		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					





1-800-633-0405 For the latest prices, please cher

Mushroom Switch Replacement Operator

Mushroom Switch Replacement Operator									
Part Number	umber Lamp 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 Price		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 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

Aluminum Legend Plates							
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	<u>PDF</u>	
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	<u>ECX1680A-B17</u>	\$4.25	PDF		
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>		

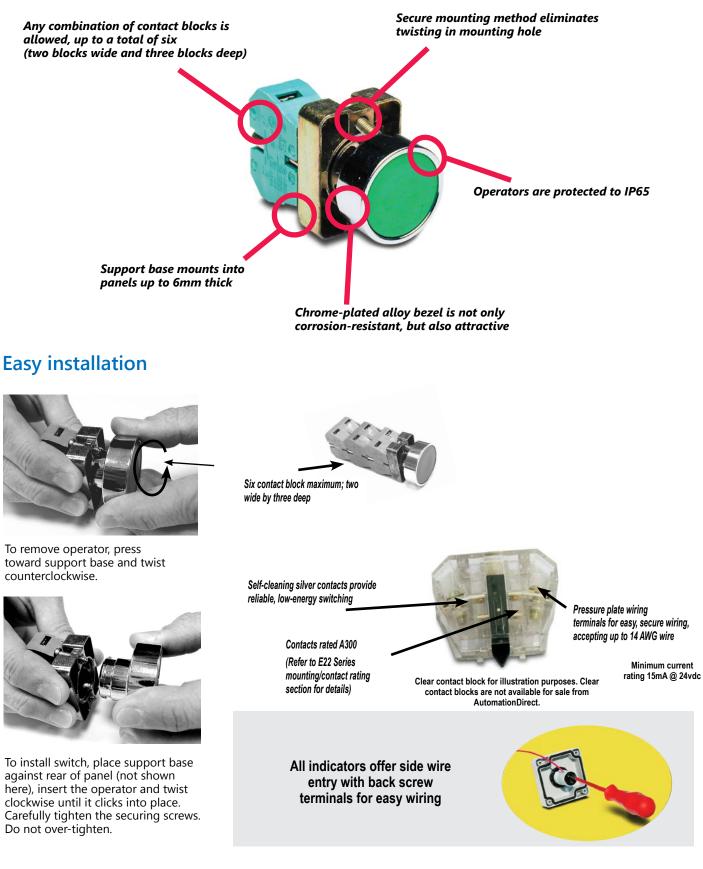
Note: Legend plate text is 3mm in height

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

Pushbutton, Indicator Light, and Selector Switch Cross Reference							
Cutler-Hammer	Allen-Bradley	Telemecanique XB2B (chrome bezel) XA2B (black bezel)	GE C-2000	Siemens			
	1	Non-Illuminated Pushbuttons	I	I			
<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			
		Illuminated Pushbuttons					
<u>E22TB2X4B</u>	800EPLE4 800E3DL3 800E3X01	ZA2BW14 ZA2BW06224	P9XPLRSDN12NADI	3SB1001-OLC01 3SB02-CBH 3SB1400-0C 3SB1400-2H			
E22TB3X4A	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.

50.0 [1.97]

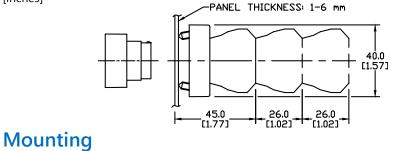
Dimensions

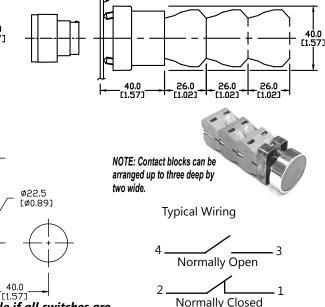
Pushbuttons and selector switches

Illuminated pushbuttons and selector switches/ indicator lights

PANEL THICKNESS: 1-6 mm

mm [inches]





x1 .

Indicator

x2

_ 30.0 [1.18] This layout is suitable if all switches are 230V or less and the same polarity.

ø22.5 [Ø0.89]

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

Specifications

40.0

[1.57]

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

Phy	vsical Specifications	Electri	ical Specifications	
Standards Reference	CEI EN 60947-5-1, CSA C22-2 n.14	Rated Thermal	A300, Q300 (Refer to E22 Seri	
Approvals	UL File E189258, IMQ (where specified)	Current (contact block)	rating section for details)	
Enclosure Material	Fiberglass reinforced thermoplastic	Rated Insulation Voltage	Ui 660V according to CEI EN 60 300V according to CSA C22-2 n	
Contacts Material	Silver	Dielectric Strength	3kV (1 second)	
	IP40 for <u>GCX3151-24</u> , <u>GCX3151-120</u> , <u>GCX3153-24</u> and GCX3153-120. IP65 for all others.(See Appendix of this	Insulation Resistance	2MΩ min. (500VDC)	
Protection Degree	catalog for explanation of IP ratings according to IEC 144	Initial Contact Resistance	≤ 25mΩ	
	CEI 70-1.)	Short-Circuit Protection*	Cartridge fuses gl 10 A-500V 10	
Electric Shock Protection	IEC 536, Class II	Terminal Markings	According to CENELEC EN 500	
Temperature Ratings	Storage: -40 -to 80°C (-40 to 176° F) Operating: -25° to +70°C (-13° to 158° F)	Connections	Single screw with non-loosening max., Tighten to 0.8Nm max	
Working Positions	All working positions are allowed	Contacts Operation	Self-cleaning types EN01 (N.C.) action, positive opening	
POSILIONS	Deski line esteriere ficker for effet e ficker	Operation Frequency	3600 operations per hour max.	
Mechanical Life	Pushbuttons, selector switches, joy stick switches: 1,000,000 operations Emergency mushrooms and push-push pushbuttons: 300,000 operations	Utilization Category	AC15 (Control of AC electromag 24 volts AC at 10 amps 130 volts AC at 6.5 amps DC12 (Control of DC electromed	
Positive Opening Operation	(according to IEC 947-5-1) All functions incorporating an NC contact are positive opening operation		DC13 (Control of DC electromag 24 volts DC at 1.5 amps 110 volts DC at 0.5 amps	

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