GCX/ECX Series 22mm Plastic Pilot Devices Selection Guide



Flush

- Momentary 30 mm operators
- Available in six colors: black, red, yellow, blue, white and green
- One contact block included
- ON/OFF models also available



Extended

- Momentary 30 mm operators
- Available in six colors: black, red, yellow, blue, white and green
- One contact block included



Two way

- Two way on/off control
- With or without illuminated indicators
- One N.O. and one N.C. contact block included



Illuminated

- Available in clear, red, yellow, blue, white and green
- Momentary and push-push styles
- Flush or extended operators available
- 24 and 120-volt models
- Incandescent and LED models
- One contact block included



Key switches

- Two and three-position
- Contact blocks included



Mushroom

- Available in momentary, twist-to-release, and key release models
- One contact block included
- Also available in incandescent and LED illuminated models



Selector switches

- Two and three-position in spring return and maintained, non-illuminated and illuminated
- Incandescent and LED models
- Contact block included



Joysticks

- Two and four-position, maintained and momentary
- Contact blocks included

Accessories











Indicator lights

- Available in popular colors
- 24 and 120-volt models
- Frosted diffuser for even lighting
- Incandescent or LED indicators

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]

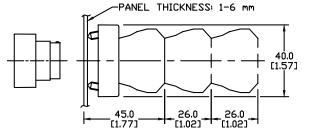
Dimensions

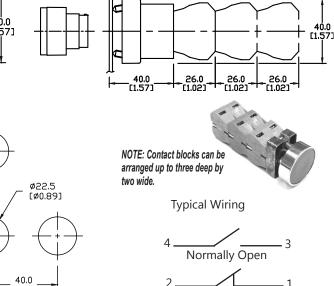
Pushbuttons and selector switches

Illuminated pushbuttons and selector switches/ indicator lights

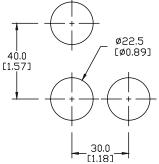
PANEL THICKNESS: 1-6 mm

mm [inches]





Mounting



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

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

1 Normally Closed x1. x2 Indicator

Specifications

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

Physical Specifications		Electrical Specifications	
Standards Reference	CEI EN 60947-5-1, CSA C22-2 n.14	Rated Thermal Current (contact block)	A300, Q300 (Refer to E22 Series mounting/contact rating section for details)
Approvals	UL File E189258, IMQ (where specified)	· · · · · · · · · · · · · · · · · · ·	Ui 660V according to CEI EN 60947-5-1,
Enclosure Material	Fiberglass reinforced thermoplastic	Rated Insulation Voltage	300V according to CSA C22-2 n.14 and UL 508
Contacts Material		Dielectric Strength	3kV (1 second)
Protection Degree	IP40 for <u>GCX3151-24</u> , <u>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.)	Insulation Resistance	2MΩ min. (500VDC)
		Initial Contact Resistance	e ≤ 25mΩ
		Short-Circuit Protection*	Cartridge fuses gl 10 A-500V 10, 3x38l1 100 KA
Electric Shock Protection	IEC 536, Class II	Terminal Markings	According to CENELEC EN 50013
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 plate clamp,14AWG max.,Tighten to 0.8Nm max
Working Positions	All working positions are allowed	Contacts Operation	Self-cleaning types EN01 (N.C.) EN 10 (N.O.) slow- action, positive opening
POSILIONS		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 electromagnetic loads) 24 volts AC at 10 amps 130 volts AC at 6.5 amps DC13 (Control of DC electromagnetic loads)
Positive Opening Operation	(according to IEC 947-5-1) All functions incorporating an NC contact are positive opening operation		24 volts DC at 1.5 amps 110 volts DC at 0.5 amps
*Note: Recommended, not supplied			

www.automationdirect.com