



## G22 Series Pushbuttons IP66/68

### Standard Pushbuttons

BUTTON COLOUR	PART NUMBER	TRADE PRICE
<b>Flush Buttons IP66</b>		
Black button	<b>G22PING</b>	\$16.50
Red button	<b>G22PIRG</b>	\$16.50
Green button	<b>G22PIVG</b>	\$16.50
Yellow button	<b>G22PIGG</b>	\$16.50
White button	<b>G22PIBG</b>	\$16.50
Blue button	<b>G22PIBLG</b>	\$16.50
Grey button	<b>G22PIGRG</b>	\$16.50
For IP68 buttons add protective boot	<b>G22CS</b>	\$7.65
<b>Extended Buttons IP66</b>		
Black button	<b>G22PSNG</b>	\$19.35
Red button	<b>G22PSRG</b>	\$19.35
Green button	<b>G22PSVG</b>	\$19.35
For IP68 buttons add protective boot	<b>G22CSGS</b>	\$9.70
<b>Flush Maintained (Latching) Buttons IP66</b>		
Black button	<b>G22PPING</b>	\$22.00
Red button	<b>G22PPIRG</b>	\$22.00
Green button	<b>G22PPIVG</b>	\$22.00

### Illuminated Pushbuttons

– c/w Holder for BA9 Lamp and Contact Block<sup>Ⓞ</sup>

Flush Buttons IP66		
Red button	<b>G22PLIR9</b>	\$32.70
Green button	<b>G22PLIV9</b>	\$32.70
Yellow button	<b>G22PLIG9</b>	\$32.70
White button	<b>G22PLIB9</b>	\$32.70
Blue button	<b>G22PLIBL9</b>	\$32.70
For IP68 buttons add protective boot	<b>G22CS</b>	\$7.65
Extended Buttons IP66		
Red button	<b>G22PLSR9</b>	\$35.45
Green button	<b>G22PLSV9</b>	\$35.45
For IP 68 buttons add protective boot	<b>G22CSGS</b>	\$9.70

### Mushroom Operators

40mm diameter – Spring Return Type IP66		
Black button	<b>G22PFNG</b>	\$26.25
Red button	<b>G22PFRG</b>	\$26.25
Green button	<b>G22PFVG</b>	\$26.25

### Illuminated Mushroom Operators

– c/w Holder for BA9 Lamp and Contact Block<sup>Ⓞ</sup>

40mm diameter – Spring Return Type IP66		
Red button	<b>G22PFLR9</b>	\$44.55
Green button	<b>G22PFLV9</b>	\$44.55
40mm diameter – Latching Type IP66 (Push On – Push Off)		
Red button	<b>G22PPFLR9</b>	\$49.30
Green button	<b>G22PPFLV9</b>	\$49.30

- Ⓞ Select BA9 lamps on page 7  
 Ⓞ Select BA9 lamps on page 5



**G22PING**  
Standard flush  
black pushbutton  
c/w Holder for contact block

**G22PSRG**  
Standard  
extended  
red pushbutton



**G22PPLIV9**  
Illuminated flush  
green pushbutton  
c/w Holder for BA9 lamp  
and contact block

**G22PLSR9**  
Illuminated  
extended  
red pushbutton



**G22PFRG**  
Mushroom operator  
spring return

**G22PFLR9**  
Illuminated  
mushroom  
operator  
spring return



## G22 Series Emergency Stop Operators IP66

### Mushroom Stop Buttons



Ø45  
G22PTHCSRKG

M/ROOM COLOUR	M/ROOM SIZE	RELEASE MECHANISM	PART NUMBER	TRADE PRICE
Red	Ø33mm (plastic)	Twist to release	<b>G22PTARG</b>	\$47.50
Red	Ø40mm (plastic)	Twist to release	<b>G22PTFARG</b>	\$48.50
Red	Ø60mm (plastic)	Twist to release	<b>G22PTFFARG</b>	\$49.50
Red	Ø45mm (plastic)	Key to release	<b>G22PTHCSRKG</b>	\$97.00



Ø60  
G22PTFFARG



Ø40  
G22PTFARG



Ø33  
G22PTARG



GH22ES65



G226GEAS

### Assembled Emergency Stop Control Stations IP66

M/ROOM SIZE	RELEASE MECHANISM	PART NUMBER	TRADE PRICE
Ø40mm	Twist to release	<b>GH22ES65</b>	\$100.50
Ø50mm	Twist to release	<b>G226GEAS</b>	\$101.05

## G22 Series Double Pushbuttons IP66/68



G22P2RVSG



G22P2NNS46G

### Standard Pushbuttons

BUTTON COLOUR	PART NUMBER	TRADE PRICE
Green/Red (I/O)	<b>G22P2RVSG</b>	\$28.90
Black (↑↓)	<b>G22P2NNS46G</b>	\$28.90
For IP68 operator add protective boot	<b>G22CGP2</b>	\$18.90

### Illuminated Pushbutton

– c/w Holder for BA9 Lamp and Contact Block<sup>①</sup>

BUTTON COLOUR	PART NUMBER	TRADE PRICE
Green/Red (I/O)	<b>G22P2LRVS9</b>	\$35.60

① Select BA9 lamps on page 7

### 22mm LEGEND PLATES SUITABLE FOR ALUMINIUM FOIL LABELS

DESCRIPTION	PART NUMBER	TRADE PRICE
Support for 13 x 27 foil labels	<b>GH22-183</b>	\$5.00
Foil labels – <i>advise text</i>	<b>GHSLABEL</b>	\$3.00
Transparent adhesive protector for 13 x 27 labels (2 per pack)	<b>GH22PE</b>	\$0.75
Support for 18 x 27 foil labels	<b>GH22-404</b>	\$5.50
Foil label – <i>advise text</i>	<b>GHMLABEL</b>	\$3.50
Transparent adhesive protector for 18 x 27 labels (2 per pack)	<b>GH22PE18</b>	\$1.20

### CONTACT BLOCKS FOR ALL G22 & GH22 OPERATORS

DESCRIPTION	PART NUMBER	TRADE PRICE	DESCRIPTION	PART NUMBER	TRADE PRICE
NC Contact Standard <sup>①</sup>	<b>GH22E01</b>	\$12.45	NO Contact Standard	<b>GH22E10</b>	\$12.45
NC Contact Gold Plated <sup>②</sup>	<b>GH22E01Au<sup>②</sup></b>	\$19.95	NO Contact Gold Plated	<b>GH22E10Au<sup>②</sup></b>	\$19.95

① Positive break according to IEC 60947-5-1

② Recommended for low voltage, low current circuits

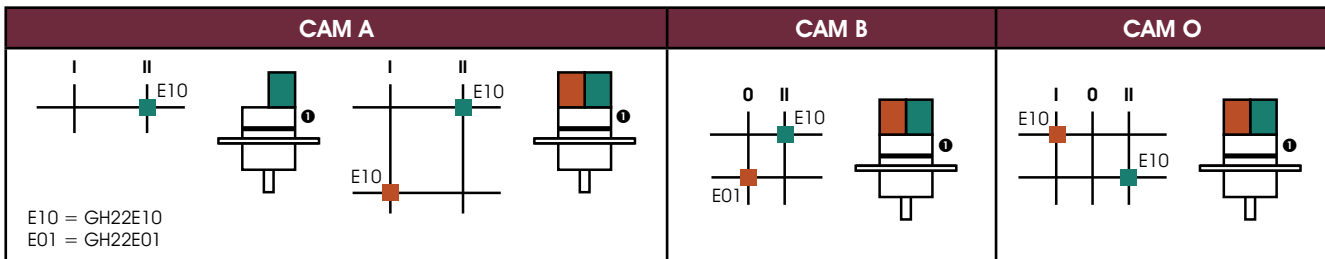
### G22 Series Selector Switches IP66 - Key Switches



2 and 3 position

POSITION	CAM	OPERATING MODE			PART NUMBER	TRADE PRICE
		Left	Centre	Right		
2	A	M*	-	M*	<b>G22SCAG</b>	\$65.00
2	A	M*	-	M	<b>G22SCA1G</b>	\$71.10
2	A	M	-	M*	<b>G22SCA2G</b>	\$71.10
2	B	-	M*	S	<b>G22SCBDG</b>	\$85.30
3	O	M*	M*	M*	<b>G22SCOG</b>	\$65.00
3	O	M*	M	M	<b>G22SCO1G</b>	\$71.10
3	O	M	M*	M	<b>G22SCO0G</b>	\$71.10
3	O	M	M	M*	<b>G22SCO2G</b>	\$71.10
3	O	S	M*	S	<b>G22SCOCG</b>	\$81.60
3	O	M*	M	S	<b>G22SCOD1G</b>	\$81.60

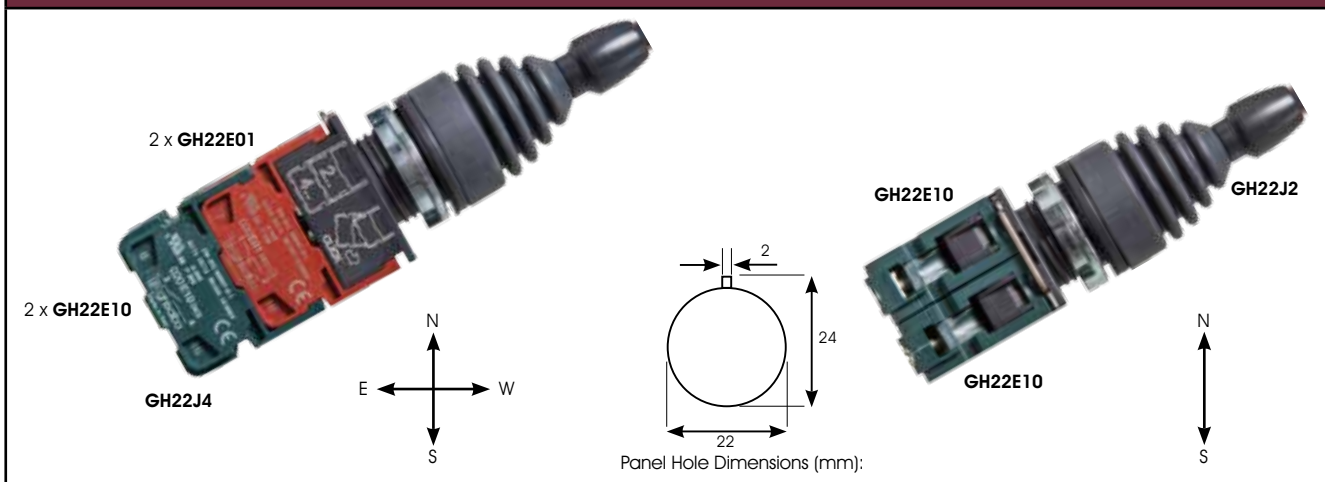
Notes: M = Maintained S = Spring Return \*Key Removal Position



● Contact Block Holder

### G22 Series Joysticks IP68

ASSEMBLED JOYSTICKS 22mm MOUNTING HOLE – NOW AVAILABLE WITH MAINTAINED AND SPRING RETURN OPTIONS



DESCRIPTION	PART NUMBER	TRADE PRICE	DESCRIPTION	PART NUMBER	TRADE PRICE
4 Position Spring Return 1 x NO contact in each position (2 x NO + 2 x NC)	<b>GH22J4</b>	\$161.35	2 Position Spring Return 1 x NO contact in each position	<b>GH22J2</b>	\$124.80
4 Position Maintained in each position	<b>GH22J4M</b>	\$161.35	2 Position Maintained each position	<b>GH22J2M</b>	\$124.80
2 Position Maintained (E-W) 2 Position Spring Return (N-S)	<b>GH22J4M2</b>	\$182.75	1 Position Maintained (S) 1 Position Spring Return (N)	<b>GH22J2M1</b>	\$142.30

For joystick fitted with gold plated contact blocks add Au to the end of the part number.

## G22 Series Selector Switches IP66

### Selector Switches - Non Illuminating



G22SMONG

POSITION	CAM	OPERATING MODE			PART NUMBER	TRADE PRICE	
		Left	Centre	Right			
2	A	M	-	M	G22SMANG	\$34.20	
3	O	M	M	M	G22SMONG	\$34.20	
3	O	M	M	S	G22SMONDG	\$38.80	
3	O	S	M	S	G22SMONCG	\$38.80	
3	T	M	M	M	G22SMTNG	\$34.20	
4					G22SMQNG	\$48.20	
<p>Maintained</p>							
<p><b>CAM T</b></p>		5				G22SMRNG	\$48.20
<p>Maintained</p>					(III-OFF position)		
<p>Maintained</p>		5				G22SMVNG	\$48.20
<p>Maintained</p>					(I-OFF position)		

● Contact Block Holder



BA9 Lamp/Contact Block Holder

### Selector Switches - Illuminating<sup>®</sup>

LENS COLOUR	CAM	OPERATING MODE			PART NUMBER	TRADE PRICE
		Left	Centre	Right		
<b>2 Position - Knob</b>						
White	A	M	-	M	G22SMLAB9	\$51.55
Red	A	M	-	M	G22SMLAR9	\$51.55
Green	A	M	-	M	G22SMLAV9	\$51.55
Yellow	A	M	-	M	G22SMLAG9	\$51.55
<b>3 Position - Knob</b>						
White	O	M	M	M	G22SMLOB9	\$51.55
Red	O	M	M	M	G22SMLOR9	\$51.55
Green	O	M	M	M	G22SMLOV9	\$51.55
Yellow	O	M	M	M	G22SMLOG9	\$51.55
Red	O	S	M	S	G22SMLORC9	\$58.00
Yellow	O	S	M	S	G22SMLOGC9	\$58.00

● Select BA9 lamps below

### Extended LED BA9 Lamps - Super Bright

Suitable for selector switches and other devices where longer lamps are required

VOLTAGE	RED	GREEN	YELLOW	WHITE
24V AC/DC	BA9XR24	BA9XG24	BA9XY24	BA9XW24
130V AC	BA9XR11	BA9XG11	BA9XY11	BA9XW11
230V AC	BA9XR23	BA9XG23	BA9XY23	BA9XW23
<b>PRICE</b>	\$13.50	\$13.50	\$13.50	\$13.50

## G22 Series - Technical Data

Compliance with standards	EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5, EN/ISO 13850, EN/IEC 60204-1, IEC 60364-5-53, UL 508, CSA C22-2 No. 14		
Approvals	UL, CSA, RINA		
Protection degree	IP66 normal pushbutton, double, illuminated, light, selector switches IP68 pushbutton with rubber cap and joysticks In conformity with EN/IEC 60529-IP69K in conformity with DIN 40050		
Fixing dimensions	Panel with thickness 1 ÷ 6mm - holes in conformity with EN/IEC 60947-5-1		
Climatic protection	In normal functioning TC all climates (40 °C - ur 35%)		
Temperature limits	Functioning ≥ -40 °C ÷ ≤ +70 °C - Storage -45 °C +75 °C		
Operating positions	←→↑↓		
Protection against shock electrical	Class II in conformity with IEC 61140		
Altitude of use	≤3.000m		
Electrical characteristics			
Rated insulation voltage	Ui 690V degree of pollution 3 in conformity with EN/IEC 60947-1		
Nominal voltage of seal. The pulse	Uimp 4 KV in conformity with EN/IEC 60947-1		
Rated current thermal Short circuit protection	1th10A in conformity with EN/IEC 60947-5-1 Fuses DIAZED 10 A operating class gL/gG shape D II in conformity with IEC 60269-1		
Material contacts	Contact pads on Ag 1.000 version Au Ag 1000 + Au		
Rating categories of use	In conformity with EN/IEC947-5-1		
	Cat AC15	Tension Ue	V 24* 48 60 110* 220 380 400* 500 600
		Current Ie	A 10 8 6 6 3 2 1.5 1.5 1.2
	Cat DC13	Tension Ue	V 24 48 60 110 220
	Current Ie	A 5 2.7 2 1.1 0.55	
Bulb socket illuminated operator	Sockets BA9S LED, incandescent, neon Maximum bulb wattage 2.6 W - pushbutton, selector switches 1.2 W		
Contact configuration	Normal pushbutton Illuminated pushbutton selector switches Max No. 8 CONTACTS (4 rows)	Double pushbutton Joystick Emergency latching pb Max No. 4 CONTACTS (2 rows)	Maintained pushbutton Illuminated selector Max No. 2 CONTACTS (1 row)

DIMENSIONS			View from the top	Add on blocks	View from the side
Row 1	A =	50mm			
Row 2	A + B =	68			
Row 3	A + 2B	88			
Row 4	A + 3B	108			
Refer CONTACT configuration above					

### MECHANICAL REMOTE PUSHBUTTON - RESET

	<b>COLOUR</b>	<b>PART NUMBER</b>
	Blue	<b>GH22-174</b>
	Red	<b>GH22-175</b>
	Green	<b>GH22-176</b>
	<b>PRICE</b>	\$33.85

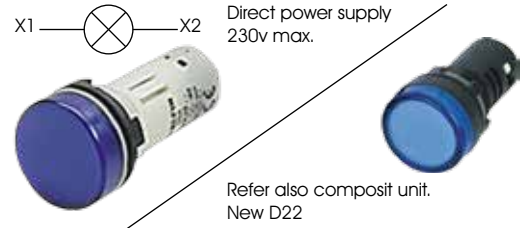
### OPERATOR LOCKING RING TOOL & BA9 REMOVAL TOOL

	<b>PART NUMBER</b>	<b>PRICE</b>
	<b>G22CGN</b>	\$12.45

BA9 tool may not suit all LED lamps

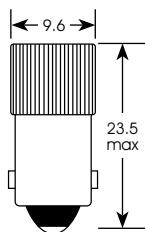
**G22 Series Indicating Lights IP66 - for use with BA9 lamps<sup>o</sup>**

DESCRIPTION	PART NUMBER	TRADE PRICE
Red Lens	<b>G22LMR</b>	\$11.50
Green Lens	<b>G22LMV</b>	\$11.50
Yellow Lens	<b>G22LMG</b>	\$11.50
Blue Lens	<b>G22LMBL</b>	\$11.50
White Lens	<b>G22LMB</b>	\$11.50



Select BA9 Lamps Below

STANDARD LED LAMPS FOR INDICATING LIGHTS						
VOLTAGE	CURRENT	RED	GREEN	AMBER/YELLOW	WHITE	BLUE
6V AC/DC	≤10mA	<b>EICR06BA9</b>	<b>EICG06BA9</b>	<b>EICA06BA9</b>	<b>EICW06BA9</b>	<b>EICB06BA9</b>
12V AC/DC	≤10mA	<b>EICR12BA9</b>	<b>EICG12BA9</b>	<b>EICA12BA9</b>	<b>EICW12BA9</b>	<b>EICB12BA9</b>
24V AC/DC	≤10mA	<b>EICR24BA9</b>	<b>EICG24BA9</b>	<b>EICA24BA9</b>	<b>EICW24BA9</b>	<b>EICB24BA9</b>
130V AC only	≤5mA	<b>EICR130BA9</b>	<b>EICG130BA9</b>	<b>EICA130BA9</b>	<b>EICW130BA9</b>	<b>EICB130BA9</b>
230V AC only	≤3mA	<b>EICR230BA9</b>	<b>EICG230BA9</b>	<b>EICA230BA9</b>	<b>EICW230BA9</b>	<b>EICB230BA9</b>
<b>PRICE</b>		\$11.39	\$11.39	\$11.39	\$11.39	\$11.39

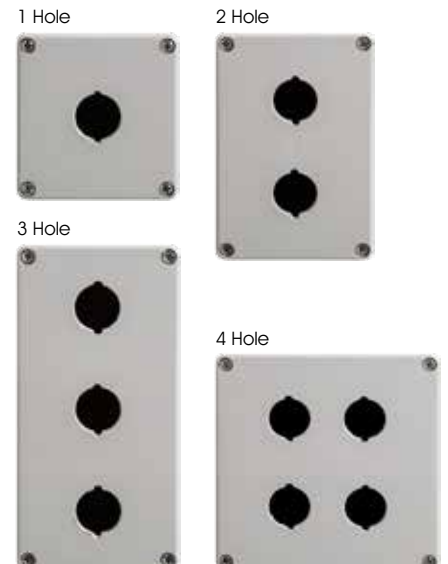


6V AC/DC, 12V AC/DC, 24V AC/DC types are fitted with bridge rectifier and are non-polarized. (i.e. on DC operation + (Positive) terminal can be connected to either the centre or to the side contacts).

HIGH VISIBILITY PANEL MOUNT INDICATING LIGHTS c/w Lamp Holder				
COLOUR	PART NUMBER	LED LAMPS	24V AC/DC	240V AC
Red	<b>G22ULAR9</b>	Red	<b>G22ALR24</b>	<b>G22ALR230</b>
Green	<b>G22ULAV9</b>	Green	<b>G22ALV24</b>	<b>G22ALV230</b>
Yellow	<b>G22ULAG9</b>	Yellow	<b>G22ALG24</b>	<b>G22ALG230</b>
<b>Price</b>	\$35.45	<b>Price</b>	\$29.90	\$29.90

For Alternative Lamps Refer to Page 5

POLYCARBONATE SURFACE MOUNTING ENCLOSURES FOR 22mm OPERATORS IP65			
DESCRIPTION	DIMENSIONS	PART NUMBER	TRADE PRICE
Shallow <sup>o</sup> - Suitable for 1 row of Contact Blocks (2 Blocks)			
1 Hole	82 x 80 x 55 deep	<b>G22541</b>	\$36.75
2 Hole	120 x 80 x 55 deep	<b>G22581</b>	\$42.40
3 Hole	160 x 80 x 55 deep	<b>G22621<sup>o</sup></b>	\$48.05
4 Hole	122 x 120 x 55 deep	<b>G22661</b>	\$53.40
Deep - suitable for up to 2 rows of Contact Blocks (refer technical data)			
1 Hole	82 x 80 x 85 deep	<b>G22561</b>	\$42.70
2 Hole	120 x 80 x 85 deep	<b>G22601</b>	\$49.00
3 Hole	160 x 80 x 85 deep	<b>G22641</b>	\$54.35
4 Hole	122 x 120 x 85 deep	<b>G22681</b>	\$59.30



- <sup>o</sup> Not suitable for D22 operators
- <sup>o</sup> Restricted wiring access
- Quick release stainless screws • IP65 (EN60529) • Colour RAL7035 (light green)

# Quality Electrical Components for the Industry



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