

G3-C Universal Contour Grip

High Performance, Ergonomic Control Grip Design

G3-C with
CM Faceplate StyleG3-C with
CP Faceplate Style

The ergonomically designed G3-C Universal Contour Grip is the latest addition to OTTO's G3 Universal series of rugged, high performance control grips.

G3 Universal Grips can be customized from basic control functions to applications requiring high switch content. The G3-C can be panel mounted as a fixed control grip or it can be mounted on an OTTO JH or JHM joystick. The OTTO G3 Universal Grips offer multiple faceplate options and are designed for use with OTTO's pushbuttons, rockers, toggles and Hall effect switches.

The G3-C grip accommodates up to a total of 11 control switches, including 1 to 8 switches on the faceplate, an optional pushbutton on each side of the grip head, and an optional trigger switch that can also act as an operator presence.

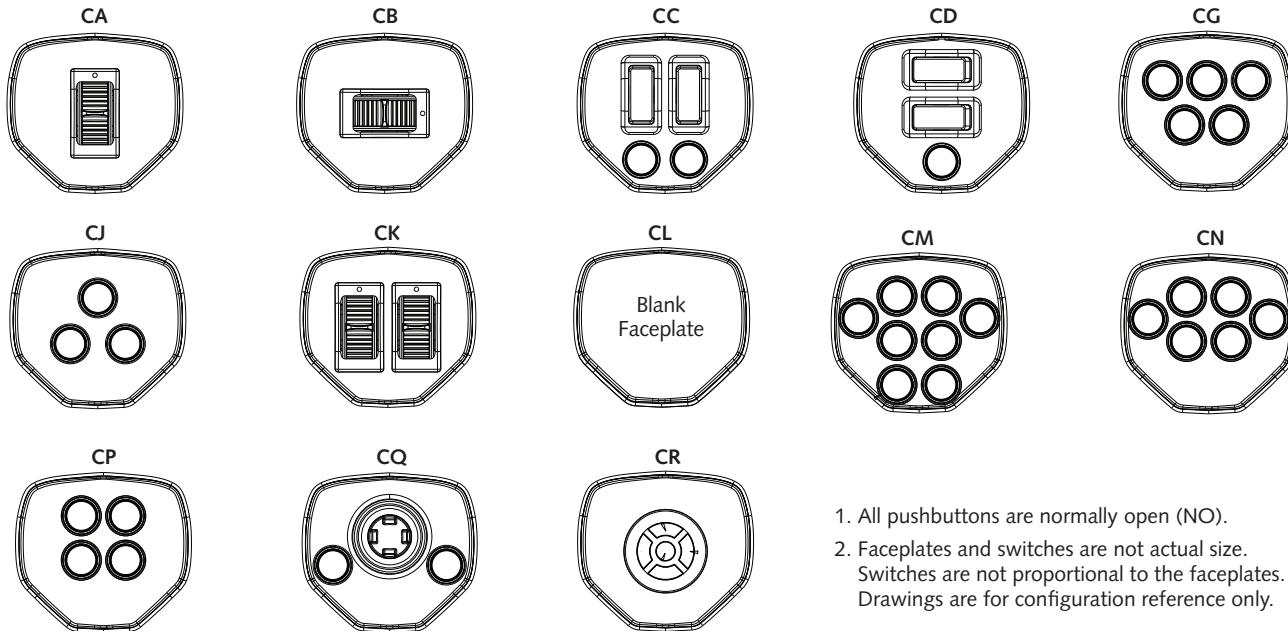
Our grips can be manufactured with custom termination and mounting options.

G3-C Key Features

- Compatible with the OTTO JH and JHM series Hall effect Joysticks
- Accommodates a full line of pushbutton, rocker, toggle, and Hall effect switches
- Faceplate design incorporates up to 8 control switches
- Various mounting & termination options available
- Includes mounting adapter with boot ring
- Modular design reduces the need for tooling charges

Standard Characteristics/Ratings:				
ELECTRICAL RATINGS:				
K1 Switches				
Electrical Rating @ 28 VDC	Units	Min	Typ	Max
Electrical Life	VDC	4.50	5.00	5.50
P9 Switches				
Electrical Rating @ 28 VDC	Units	5 AMP Resistive Load; 3 AMP Inductive Load		
Electrical Life	VDC	25,000 Cycles at Full Load		
HTWM Switches				
Rated at $V_{cc} = 5V @ 25^{\circ}C$; Load = 1ma (4-7KΩ)	Units	Min	Typ	Max
Supply Voltage	VDC	4.50	5.00	5.50
Output Voltage - Return to Center Tolerance at Center	VDC @ 5V Vcc	-.15	N/A	+.15
Output Voltage - Return to End Tolerance at Rest	VDC @ 5V Vcc	-.25	N/A	+.25
Output Voltage Tolerance Full Travel	VDC @ 5V Vcc	-.25	N/A	+.25
Supply Current B=0, Vcc=5V, Iout=0	mA	N/A	N/A	10
HTWS Switches				
Rated at $V_{cc} = 5V @ 25^{\circ}C$; Load = 1ma (4-7KΩ)	Units	Min	Typ	Max
Supply Voltage	VDC	4.50	5.00	5.50
Output Voltage Tolerance at Center	VDC @ 5V Vcc	-.25	N/A	+.25
Output Voltage Tolerance Full Travel	VDC @ 5V Vcc	-.25	N/A	+.25
Supply Current B=0, Vcc=5V, Iout=0	mA	N/A	N/A	20
MECHANICAL RATINGS				
K1 Switches				
Mechanical Life	Units	100,000 Cycles		
P9 Switches				
Mechanical Life	Units	1,000,000 Cycles		
HTWM and HTWS Switches				
Mechanical Life (Full Forward to Full Back)	Units	3,000,000 Cycles (Return to Center) 1,000,000 Cycles (Return to End)		
ENVIRONMENTAL:				
Operating Temperature:				
Operating Temperature:	Units °C	Min -40	Typ 20	Max 85
K1 Switches				
Switch Seal Integrity	Units	Watertight per IP68S (1 meter) and IP69K		
P9 Switches				
Switch Seal Integrity	Units	Watertight per IP68S (1 meter) and IP69K		
HTWM and HTWS Switches				
Electronics Seal Integrity	Units	Watertight per IP68S (1 meter) and IP69K		
Grip				
Seal Integrity	Units	Unsealed		
MATERIALS:				
Handle				
Handle	Units	Thermoplastic, Glass Reinforced, Black		
Faceplate				
Faceplate	Units	Thermoplastic, Glass Reinforced, Black		
Wires				
Wires	Units	22 AWG, UL Style 1569, (20" Long)		

G3-C Universal Contour Grip Faceplates



1. All pushbuttons are normally open (NO).
2. Faceplates and switches are not actual size.
Switches are not proportional to the faceplates.
Drawings are for configuration reference only.

G3-C Universal Contour Grip Drawings

