G3 UNIVERSAL GRIPS

HEAVY EQUIPMENT & MATERIAL HANDLING GRIPS

The G3 Universal Grips can be customized for top-of-theline machines requiring high switch content, or to provide only basic control functions on lower tier units. The grips are designed to be panel mounted as a fixed control grip or mounted on an OTTO JH, JHL or JHM joystick.

The OTTO G3 Universal Grips have a modular design and were developed for use with OTTO's standard pushbuttons, rockers, toggles, Hall effect switches and the JH, JHL and JHM series Hall effect joysticks. The G3 Grips are easily customized with multiple switch configurations, quickly and without tooling charges.

Features:

- Compatible with the OTTO JH, JHL and JHM series Hall effect Joysticks
- Variety of sizes/shapes available
- Accommodates a full line of pushbutton, rocker, toggle, HP Hall effect & HPL proportional output series of switches
- Various mounting & termination options available
- Includes mounting adapter with boot ring (where applicable)
- Modular faceplate design reduces the need for tooling charges









HEAVY EQUIPMENT & MATERIAL HANDLING GRIPS

G3-A UNIVERSAL GRIP

Standard Characteristic	s/Ratings:						
ELECTRICAL RATINGS:							
K1 Switches							
Electrical Rating @ 28 VDC	16 AMP Resistive Load; 7 AMP Inductive Load						
Electrical Life	25,000 Cycles at Full Load						
P9 Switches							
Electrical Rating @ 28 VDC	5 AMP Res	5 AMP Resistive Load; 3 AMP Inductive Load					
Electrical Life	25,000 Cyc	25,000 Cycles at Full Load					
MECHANICAL RATINGS							
K1 Switches							
Mechanical Life	100,000 Cycles						
P9 Switches							
Mechanical Life	1,250,000 (1,250,000 Cycles					
ENVIRONMENTAL:							
	Units	Min	Тур	Max			
Operating Temperature:	°C	-40*	20	85			
K1 Switches							
Switch Seal Integrity	Watertight per IP68S (1 meter) and IP69K						
P9 Switches							
Switch Seal Integrity	Watertight per IP68S (1 meter) and IP69K						
Grip							
Seal Integrity	Unsealed						
MATERIALS:							
Handle	Thermopla	Thermoplastic, Glass Reinforced, Black					
Faceplate	Thermopla	Thermoplastic, Glass Reinforced, Black					
Mounting Hardware	#10 Crossbolt with Nut and Lockwasher						
Wires	22 AWG, UL Style 1569, (20" Long)						

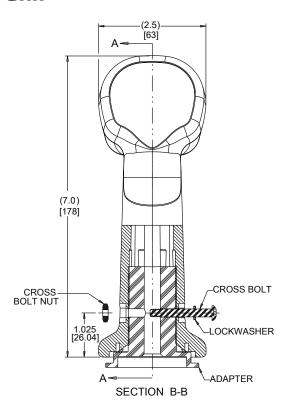
^{*} Minimum operating temperature is -30 $^{\circ}\text{C}$ when a K1 Switch is installed.

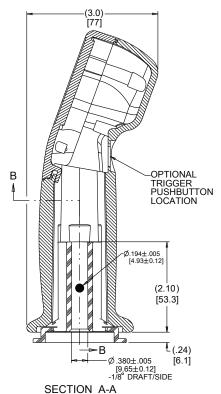
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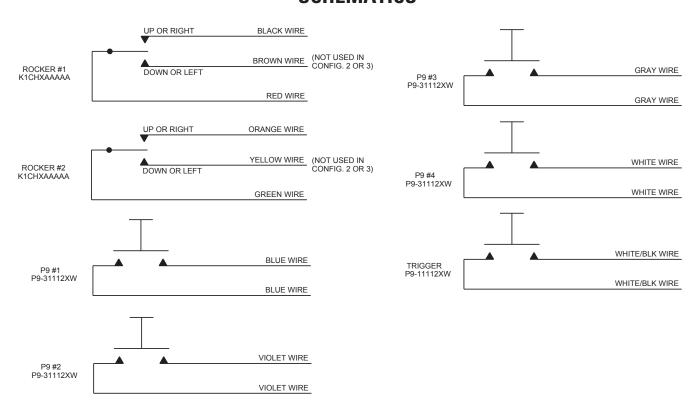
Note: All dimensions are for reference only.

HEAVY EQUIPMENT & MATERIAL HANDLING GRIPS

G3-A UNIVERSAL GRIP PART NUMBER CODE

G3-	-A X	XX	X X	X	X X	X	X	
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Configuration	Switches	Trigger Pushbutton in Handle	K1 Rocker #1 Style - Black *	K1 Rocker #2 Style - Black *	P9 Button #1 Color	P9 Button #2 Color	P9 Button #3 Color	P9 Button #4 Color
 Grip With Adapter Grip Without Adapter 	See Configuration Sheet on next page	1. None 2. Black 3. Red	1. None 2. On-Off 3. (On)-Off 4. On-Off-On 5. (On)-Off-(On)	1. None 2. On-Off 3. (On)-Off 4. On-Off-On 5. (On)-Off-(On)	 Red Black Orange Yellow Green Blue Violet Gray 	1. Red 2. Black 3. Orange 4. Yellow 5. Green 6. Blue 7. Violet 8. Gray	1. Red 2. Black 3. Orange 4. Yellow 5. Green 6. Blue 7. Violet 8. Gray	1. Red 2. Black 3. Orange 4. Yellow 5. Green 6. Blue 7. Violet 8. Gray
* () denotes momentary. On position or momentary position is up or to the right. Contact factory for rocker legends and additional color options.					9. White N. None	9. White N. None	9. White N. None	9. White N. None

G3-A UNIVERSAL GRIP SCHEMATICS



HEAVY EQUIPMENT AND MATERIAL HANDLING GRIPS

G3-A UNIVERSAL GRIP SWITCH CONFIGURATIONS

