



Switch Guide

OTTO Quick Reference

Pushbutton		Rocker		Toggle	
P1 <ul style="list-style-type: none"> IP68S sealed MIL-PRF 8805/3 Momentary action 10A @ 28VDC or 115VAC; low level 7 case styles 	P3 <ul style="list-style-type: none"> IP68S sealed Momentary or push pull action 10A @ 28VDC or 115VAC; low level 5 case styles 	K1 <ul style="list-style-type: none"> IP68S sealed Momentary/ maintained action Lighted/Unlighted 16A @ 28VDC or 125/250VAC; low level 	T1 <ul style="list-style-type: none"> Momentary/maintained action Lockout feature option Up to 5A @ 28VDC Sealed per MIL-DTL-83731 QPL options 2 & 3 position 2, 3, 4, 6 & 8 pole 		
P3-D <ul style="list-style-type: none"> IP68S sealed Domed button style Momentary action 5/8" threaded case 10A @ 28VDC or 115VAC; low level 	P5-D <ul style="list-style-type: none"> Domed button Alternate action IP68S sealed 5/8" threaded case 10A @ 28VDC or 115VAC; low level 	K2 <ul style="list-style-type: none"> IP68S sealed Momentary/ maintained action 1 or 2 pole Lighted/Unlighted 16A @ 28VDC or 125/250VAC; low level 			
P7-D <ul style="list-style-type: none"> IP68S sealed Subminiature Momentary action 5A @ 28VDC or 115VAC; low level 15/32" threaded case 	P9 <ul style="list-style-type: none"> Momentary action 15/32" threaded or snap in case IP68S sealed 5A @ 28VDC or 115VAC; low level Lower cost plastic housing Low level option (P9L) 		T3 <ul style="list-style-type: none"> Momentary/maintained action Lockout feature option Miniature toggle Sealed options 5A @ 28VDC or 115VAC QPL options 1 or 2 pole 		
P4 <ul style="list-style-type: none"> 1 to 4 poles 8 case styles RF shielded options IP68S sealed options 2 step & momentary action 8 circuit forms 	P5 <ul style="list-style-type: none"> IP68S sealed, dusttight or unsealed Mil grade available Alternate action 10A @ 28VDC or 115VAC; low level Threaded or press fit case 	T7 <ul style="list-style-type: none"> Momentary/ maintained action IP68S sealed Lower cost toggle 1 or 2 pole 16A @ 28VDC or 115VAC; low level 	T9 <ul style="list-style-type: none"> IP68S sealed 1 or 2 pole MIL-PRF-3950 option Momentary/ maintained action Up to 16A @ 28VDC or 115VAC; low level 		
P7 <ul style="list-style-type: none"> IP68S sealed Subminiature 5A @ 28VDC or low level Momentary action MIL-PRF-8805/110 option 	LP3-V / LP5-V <ul style="list-style-type: none"> Vandal resistant IP68S sealed Momentary/ alternate action 5A @ 28VDC or 115VAC; low level Illum. 2 to 24VDC LED 	K3 <ul style="list-style-type: none"> IP68S sealed Momentary/ maintained action 20A @ 28VDC or 125VAC; low level Lighted/Unlighted SAE printed legends 	TE <ul style="list-style-type: none"> MIL-DTL-8834 1 or 2 pole Threaded bushing Momentary/ maintained action 5A @ 28VDC or 115VAC 		
P5-V <ul style="list-style-type: none"> Vandal resistant IP68S sealed Alternate action 10A @ 28VDC or 115VAC; low level Threaded 5/8" or 3/4" case Alum. or stain. steel housing 	P8-V <ul style="list-style-type: none"> Vandal resistant IP68S sealed Momentary action 10A @ 28VDC or 115VAC; low level Threaded 5/8" or 3/4" case Alum. or stain. steel housing 	K4 <ul style="list-style-type: none"> IP68S sealed Mom/Main/Ctr. off Snap-in toggle 1 or 2 pole Lighted/Unlighted 20A @ 28VDC or 125/250VAC; low level 	Accessories		
PE <ul style="list-style-type: none"> Sealing options QPL options Compact design Meets high shock & vibration requirements Up to 5A @ 28VDC or 115VAC 	PE2 <ul style="list-style-type: none"> MIL-PRF-8805/99 qual. Meets high shock and vibration requirements Momentary 2 circuit, DPDT 2A @ 28VDC or 115VAC Splashproof 	K5 <ul style="list-style-type: none"> IP68S sealed Soft touch rocker Momentary/ maintained action Lighted/Unlighted SAE printed legends 20A @ 28VDC or 115VAC; low level 	Shrouds <ul style="list-style-type: none"> Machined aluminum alloy Variety of colors Custom designs & fabrication available 		
P8 <ul style="list-style-type: none"> IP68S sealed Momentary or push pull action 10A @ 28VDC or 115VAC; low level 7 bezel styles 	LP3 / LP5 <ul style="list-style-type: none"> Momentary or alternate action IP68S sealed, dusttight or unsealed Illum. 2 to 24VDC LED 5A @ 28VDC or 115VAC; low level 	R2 <ul style="list-style-type: none"> IP68S sealed Rotary knob Lighted/Unlighted Momentary/ maintained action 20A @ 28VDC or 115VAC; low level 	Toggle Guard <ul style="list-style-type: none"> QPL MS25224 MS27752 For 2 & 3 pos toggle with 15/32" bushing Spring loaded cover Slotted or flat keyway 		
LP9 <ul style="list-style-type: none"> Momentary action IP68S sealed Miniature Illum. 2 to 12VDC LED 5A @ 28VDC or 115VAC Lower cost plastic housing Low level option (LP9L) 	LP7-D <ul style="list-style-type: none"> Momentary action IP68S sealed Flush or raised button Illum. 2 to 12VDC LED 5A @ 28VDC or low level 	U2 <ul style="list-style-type: none"> Moistureproof & dusttight Optional IP68S watertight seal Momentary action 10A @ 28VDC or 115VAC; low level 	Flip Guard <ul style="list-style-type: none"> For pushbutton switches with 15/32" bushing Spring loaded cover Easy front panel installation Optional D flat or mounting tabs 		

ISO 9001, ISO 14001 and RoHS compliant

Complete line of **SWITCHES • GRIPS • JOYSTICKS • BESPOKE SOLUTIONS**





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Hall	Trim	Basic	Special
HPL <ul style="list-style-type: none"> Proportional output pushbutton IP68S watertight or IP65 splashproof 10,000,000 cycles 9 Button color choices Rocker version available Termination style choices 	T1 Mini Trim <ul style="list-style-type: none"> IP68S watertight or IP64 dusttight QPL options Threaded or press fit case 2 way momentary action 1A @ 28VDC or low level Center pushbutton option 	B1/B1-5 <ul style="list-style-type: none"> Ultra small subminiature Unsealed QPL options 2A @ 28VDC or 115VAC; low level Integral levers on B1-5 	P6 <ul style="list-style-type: none"> Sealed limit switch Compact design Four actuator styles MIL-PRF-8805 sealing Up to 10A @ 28VDC or 115VAC; low level Precision operating points Multiple MIL ratings 
HPW <ul style="list-style-type: none"> Proportional output paddle or lever EMI/RFI immunity 1,000,000 cycles Self centering single axis actuator 8 output options IP68S sealed 	T4/T4-T Mini Trim <ul style="list-style-type: none"> Positive click action IP68S watertight or IP64 dusttight QPL options 4 way momentary action 1A @ 28VDC or low level Threaded or press fit case 	B2/B2-5 <ul style="list-style-type: none"> Subminiature Unsealed 7A @ 28VDC or low level Integral levers MIL-PRF-8805/4 & 106 & 109 	P3-30101-8 <ul style="list-style-type: none"> Large diameter pushbutton snaps on to special style body with leads Dusttight IP64 1,000,000 cycles 10A @ 28VDC 
HP7 <ul style="list-style-type: none"> Momentary action pushbutton (ON/OFF) Watertight IP68S or dusttight IP64 Domed button choices 10,000,000 cycles Mechanical detent option Termination style choices 		B3 <ul style="list-style-type: none"> Subminiature Unsealed QPL options Up to 8A @ 28VDC or 115VAC; low level Integral lever option MIL-PRF-8805/76 & 101 	P1-30052 <ul style="list-style-type: none"> Push/Pull Switch Mil grade 10A @ 28VDC Dusttight MIL-S-8805, Design 2 
HTL Series <ul style="list-style-type: none"> Proportional output finger joystick IP68S sealed 2 & 4 way actuation EMI/RFI immunity 1,000,000 cycles Redundant outputs option 	T5 Mini Trim <ul style="list-style-type: none"> 2-way or 4-way momentary action plus pushbutton Mil grade options IP68S watertight or IP64 dusttight 1A @ 28VDC or low level Threaded or press fit case Lenient option 	B5 <ul style="list-style-type: none"> Subminiature Unsealed QPL options 10A @ 28VDC or 115VAC; low level Terminal choices 	U2-351 <ul style="list-style-type: none"> Flight grip rocker switch Shallow mounting depth Spring return to center Uses OTTO B3 basic switches per MIL-PRF-8805/101 Low level or standard 
HTW <ul style="list-style-type: none"> Proportional output thumbwheel IP68S sealed 8 output options 3,000,000 cycles EMI/RFI immunity Detent option available Miniature style option (HTWM) 	T8 Mini Trim <ul style="list-style-type: none"> 8 way momentary action 1A @ 28VDC or low level Threaded or press fit case Mil grade options IP68S watertight or IP64 dusttight 	B5-7 <ul style="list-style-type: none"> 2 pole Unsealed Subminiature 10A @ 28VDC or low level Mil grade options 	U2-016 <ul style="list-style-type: none"> Two-Step trigger switch Unsealed per MIL-PRF-8805, Design 1 7A @ 28VDC 2 pole 
HTWF <ul style="list-style-type: none"> Proportional output thumbwheel IP68S sealed EMI/RFI immunity 8 output options Friction hold actuation Rocker switch mounting 	T2 Large Trim <ul style="list-style-type: none"> Up to 5A @ 28VDC or low level Mil grade options Lockout feature 1 & 2 pole 2 way plus pushbutton Splashproof & dusttight Threaded or press fit case 	U2-096 Pendant <ul style="list-style-type: none"> Remote handheld pushbutton Coiled cord extends to 20' Terminated w/ a connector 5A @ 28VDC 	J2 Transducer <ul style="list-style-type: none"> Dusttight Mil grade Short travel .750"/.655"/.560" diameter flange mount Full/half bridge & isolated circuit type 
HTWE <ul style="list-style-type: none"> Proportional output thumbwheel Return to end single axis actuator EMI/RFI immunity 1,000,000 cycles 8 output options IP68S sealed Miniature style option (HTWME) 	T4/T5 Large Trim <ul style="list-style-type: none"> Mil grade options Up to 5A @ 30VDC Dusttight MIL-PRF-8805 4 way toggle w/ or w/out center pushbutton 	U7 <ul style="list-style-type: none"> Watertight IP68S or moistureproof & dusttight per IP64 High performance Single & dual switch configurations Low level Color and plug choices 	
HFNR <ul style="list-style-type: none"> Forward/Neutral/Reverse rocker Backlight 2-24VDC LED EMI/RFI Immunity 3,000,000 cycles IP68S sealed Snap in panel mounting 8 output options 	Split Trim <ul style="list-style-type: none"> Low level Tactile response Mil grade options 2 way momentary action Water resistant per MIL-STD 810F 	U2-034 <ul style="list-style-type: none"> Option to terminate w/ a 1/4" right angle molded phone plug Remote handheld pushbutton 24" coiled cord, extends to 15' 5A @ 28VDC 	

ISO 9001, ISO 14001 and RoHS compliant

Images are not to scale. Specifications are subject to change.