





































Pushbutton

Rocker

<p>LP3 / LP3S / LP5</p> <ul style="list-style-type: none"> • Momentary/alternate action • IP64 or IP68S • Illum. 2 to 24VDC LED • 5A @ 28VDC or 115VAC, or logic level • LP3S (shown) is shorter version of LP3 	<p>P4</p> <ul style="list-style-type: none"> • 2-step & momentary action • IP68S seal option • 1 to 4 poles • 8 case styles • RF shielded options • 8 circuit forms 	<p>K1</p> <ul style="list-style-type: none"> • Momentary/maintained action • IP68S & IP69K • Lighted/Unlighted • 16A @ 28VDC or 125VAC, or logic level 	<p>K4</p> <ul style="list-style-type: none"> • Mom/Main/Ctr. off • IP68S & IP69K • Snap-in toggle • 1 or 2 pole • Lighted/Unlighted • 16A @ 28VDC or 125VAC, or logic level 
<p>LP3-V / LP3S-V</p> <ul style="list-style-type: none"> • Momentary action • IP64 or IP68S • Vandal resistant • Illum. 2 to 24VDC LED • 5A @ 28VDC or 115VAC, or logic level • LP3S-V is shorter version 	<p>P5</p> <ul style="list-style-type: none"> • Alternate action • IP64 & MIL-PRF-8805 Design 2 or IP68S • MIL grade available • Threaded or press fit case • 5A @ 28VDC or 115VAC, or logic level 	<p>K2</p> <ul style="list-style-type: none"> • Momentary/maintained action • IP68S & IP69K • 1 or 2 pole • Lighted/Unlighted • 16A @ 28VDC or 125VAC, or logic level 	<p>K5</p> <ul style="list-style-type: none"> • Momentary/maintained action • IP68S & IP69K • Soft touch rocker • Lighted/Unlighted • SAE printed legends • 20A @ 28VDC or 115VAC, or logic level 
<p>LP5-V</p> <ul style="list-style-type: none"> • Alternate action • IP64 or IP68S • Vandal resistant • Ring illum. 2 to 24VDC LED • 5A @ 28VDC or 115VAC, or logic level 	<p>P5-D</p> <ul style="list-style-type: none"> • Alternate action • IP64 & MIL-PRF-8805 Design 2 or IP68S • Domed button • 5/8" threaded case • 5A @ 28VDC or 115VAC, or logic level 	<p>K3</p> <ul style="list-style-type: none"> • Momentary/maintained action • IP68S & IP69K • Lighted/Unlighted • SAE printed legends • 20A @ 12/28VDC or 125VAC, or logic level 	<p>R2</p> <ul style="list-style-type: none"> • Momentary/maintained action • IP68S • Rotary knob • Lighted/Unlighted • 20A @ 28VDC or 115VAC, or logic level 
<p>LP7-D</p> <ul style="list-style-type: none"> • Momentary action • IP64 or IP68S • Flush or raised button • Square button option • Illum. 2 to 12VDC LED • 5A @ 28VDC, or logic level 	<p>P5-V</p> <ul style="list-style-type: none"> • Alternate action • IP64 or IP68S & IP69K • Vandal resistant • Threaded 5/8" or 3/4" case • Alum. or stain. steel housing • 5A @ 28VDC or 115VAC, or logic level 	<p>P6 Limit</p> <ul style="list-style-type: none"> • Sealed per MIL-PRF-8805 Design 3 • Pin or roller plunger • Axial or radial leads • One-piece housing • Up to 7A @ 28VDC or 115VAC, or logic level 	<p>U2</p> <ul style="list-style-type: none"> • Momentary action • IP64 or IP68S • Made with P8 pushbuttons • 10A @ 28VDC or 115VAC, or logic level 
<p>LP9</p> <ul style="list-style-type: none"> • Momentary action • IP68S • Plastic housing • Illum. 2 to 12VDC LED • 5A @ 28VDC or 115VAC • Fully illuminated option shown 	<p>P7</p> <ul style="list-style-type: none"> • Momentary action • IP64, MIL options or IP68S • Square button option • MIL-PRF-8805/110 • Subminiature • 5A @ 28VDC, or low level 	<p>P6-3</p> <ul style="list-style-type: none"> • Sealed per MIL-PRF-8805 Design 3 • Compact design • Four actuator styles • Precision operating points • 10A @ 28VDC 	<p>T1 Toggle</p> <ul style="list-style-type: none"> • Momentary/maintained action • Sealed per MIL-DTL-83731 • Lockout feature option • 2 & 3 position • 2, 3, 4, 6 & 8 pole • QPL options • Up to 5A @ 28VDC, or low level 
<p>P1</p> <ul style="list-style-type: none"> • Momentary action • MIL-PRF 8805 Design 2 or Design 3 or IP68S • 7 case styles • 10A @ 28VDC or 115VAC, or low level • Push pull option 	<p>P7-D</p> <ul style="list-style-type: none"> • Momentary action • IP64, IP68S or MIL options • N.O., N.C. or 2-circuit • Square button option • 15/32" metal threaded case • 5A @ 28VDC or 115VAC, or logic level 	<p>P6-4</p> <ul style="list-style-type: none"> • Sealed to IP68S and IP69K • Ball or roller plunger • Built for extreme temperatures • One-piece housing • Up to 4A @ 28VDC or 115VAC, or logic level 	<p>T3</p> <ul style="list-style-type: none"> • Momentary/maintained action • MIL seal options • Lockout feature option • Miniature toggle • QPL options • 1 or 2 pole • 5A @ 28VDC or 115VAC 
<p>P2</p> <ul style="list-style-type: none"> • Momentary action • MIL-PRF 8805 Design 2 and Design 3 • 1-step and 2-step versions • Unique 3-mode design • 5A @ 28VDC or 125VAC, or logic level 	<p>P8</p> <ul style="list-style-type: none"> • Momentary or push pull action • IP64 or IP68S • 7 bezel styles • 10A @ 28VDC or 115VAC, or logic level 	<p>PE</p> <ul style="list-style-type: none"> • Momentary action • Unsealed or dusttight • MIL-PRF-8805/96 • Compact design • Meets high shock & vibration requirements • Up to 5A @ 28VDC or 115VAC 	<p>T7 / T71</p> <ul style="list-style-type: none"> • Momentary/maintained action • IP68S & IP69K • 1 or 2 pole • 16A @ 28VDC or 125VAC, or logic level • T71 is narrow version 
<p>P3</p> <ul style="list-style-type: none"> • Momentary or push pull action • IP64 or IP68S • 5 case styles • 10A @ 28VDC or 115VAC, or logic level • Push pull option 	<p>P8-V</p> <ul style="list-style-type: none"> • Momentary action • IP64 or IP68S & IP69K • Vandal resistant • 10A @ 28VDC or 115VAC, or logic level • Threaded 5/8" or 3/4" case • Alum. or stain. steel housing 	<p>PE2</p> <ul style="list-style-type: none"> • Momentary 2 circuit, DPDT • Splashproof • MIL-PRF-8805/99 • Meets high shock & vibration requirements • 2A @ 28VDC or 115VAC 	<p>T9</p> <ul style="list-style-type: none"> • Momentary/maintained action • IP68S • 1 or 2 pole • MIL-PRF-3950 option • Up to 16A @ 28VDC or 115VAC, or low level 
<p>P3-D</p> <ul style="list-style-type: none"> • Momentary action • IP64 or IP68S & IP69K • Domed button style • 5/8" threaded case • 10A @ 28VDC or 115VAC, or logic level 	<p>P9M</p> <ul style="list-style-type: none"> • Latching action • IP68S • 15/32" threaded case • Plastic housing and button • Up to 4A @ 12VDC and 3A @ 48VDC, or logic level 	<p>P9</p> <ul style="list-style-type: none"> • Momentary action • IP64 or IP68S & IP69K • 15/32" threaded or snap in plastic case • N.O., N.C. or 2-circuit • 5A @ 28VDC, 3A @ 115VAC, or logic level 	<p>TE</p> <ul style="list-style-type: none"> • Momentary/maintained action • Sealed per MIL-DTL-8834 • 1 or 2 pole • Threaded bushing • 5A @ 28VDC or 115VAC, or logic level 

ISO 9001, ISO 14001 and RoHS / Reach / WEEE compliant designs

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

Hall	Basic	Trim	
HP7 / HP7C <ul style="list-style-type: none"> • Momentary action pushbutton (ON/OFF) • Electronics IP64 or IP68S • 10,000,000 cycles • Domed button choices • Mechanical detent option • Termination style choices • HP7C is lower cost version 	B1 / B1-5 <ul style="list-style-type: none"> • Ultra small subminiature • Unsealed • MIL grade options • Integral levers on B1-5 • 2A @ 28VDC or 115VAC, or logic level 	T1 / T1-T Mini Trim <ul style="list-style-type: none"> • 2-way momentary action • IP64, IP68S or MIL-PRF-8805 Design 3 • MIL grade options • Threaded or press fit case • Center pushbutton option • 1A @ 28VDC, or low level • T1-T is the tactile version 	TC Switch Module <ul style="list-style-type: none"> • Up to 5 positions • IP68S • Incorporates keypad functionality • Top or rear mount • LED backlighting available • Legends available 
HPL <ul style="list-style-type: none"> • Proportional output pushbutton • Electronics IP65 or IP68S • 1,000,000 cycles • 9 Button color choices • Rocker version available • Termination style choices 	B2 / B2-5 <ul style="list-style-type: none"> • Subminiature • Unsealed • MIL-PRF-8805/4 & /106 & /109 • Integral levers on B2-5 • 7A @ 28VDC or 115VAC, or low level 	T4 / T4-T Mini Trim <ul style="list-style-type: none"> • 4-way momentary action • IP64, IP68S or MIL-PRF-8805 Design 3 • Positive click action • MIL grade options • Threaded or press fit case • 1A @ 28VDC, or low level (T4), or logic level (T4-T) 	CS Capacitive Switch <ul style="list-style-type: none"> • Capacitive sensing technology • Active low output • Sealed to IP68S & IP69K • Available in two sensitivities • Concave and raised button style options 
HPW <ul style="list-style-type: none"> • Proportional output paddle or lever • Electronics IP68S • 1,000,000 cycles • Self centering single axis actuator • Detent options • 8 output options 	B2D <ul style="list-style-type: none"> • Subminiature • Reduced dead break • Unsealed • Integral lever option • 2A @ 28VDC or 115VAC 	T5 Mini Trim <ul style="list-style-type: none"> • 2-way or 4-way momentary action plus pushbutton • IP64, IP68S or MIL-PRF-8805 Design 3 • MIL grade options • Threaded or press fit case • Lenient option • 1A @ 28VDC, or logic level 	Transducer J2 Transducer <ul style="list-style-type: none"> • Short or long travel options • With or without pushbutton • Up to 1,000,000 cycles • Small null hysteresis • Sealed up to IP68S • Full bridge circuit type (J2-S4) 
HTL / HTLT <ul style="list-style-type: none"> • Proportional output finger joystick • Electronics IP68S • 2-way, 4-way & 360° actuation • Redundant outputs option • HTLT has pushbutton option 	B3 <ul style="list-style-type: none"> • Subminiature • Unsealed • MIL grade options • Integral lever option • MIL-PRF-8805/76 & 101 • Up to 8A @ 28VDC or 115VAC, or low level 	T8 Mini Trim <ul style="list-style-type: none"> • 8-way momentary action • IP64, IP68S or MIL-PRF-8805 Design 3 • Threaded or press fit case • MIL grade options • 2A @ 28VDC, or logic level 	J4 Transducer <ul style="list-style-type: none"> • Hall effect technology • Lower cost • IP68S • Mini joystick function • Magnetic shielding in case • 5VDC input 
HTW / HTWM <ul style="list-style-type: none"> • Proportional output thumbwheel • Electronics IP68S • 3,000,000 cycles • 8 output options • EMI/RFI immunity • HTWM is miniature version • HTWS is subminiature version 	B3S <ul style="list-style-type: none"> • Subminiature • Sealed to IP68S • Lever actuators available • 11 standard terminal styles • Up to 8A @ 28VDC, or logic level 	T8-T Mini Trim <ul style="list-style-type: none"> • 8-way momentary action • Positive tactile feedback • IP64, IP68S or unsealed • Threaded or press fit case • MIL grade options • 2A @ 28VDC, or logic level 	Trigger Trigger (U2-605) <ul style="list-style-type: none"> • Two-Step trigger switch • IP68S • Special housing can be sealed to grip • Uses OTTO P8 switches • 10A @ 28VDC or 115VAC 
HTWF <ul style="list-style-type: none"> • Proportional output thumbwheel • Electronics IP68S • EMI/RFI immunity • 8 output options • Friction hold actuation • Rocker switch mounting 	B5 <ul style="list-style-type: none"> • Miniature • Unsealed • QPL & MIL grade options • Lockout feature • 1 & 2 pole • Threaded or press fit case • Up to 5A @ 28VDC, or logic level 	T2 Large Trim <ul style="list-style-type: none"> • 2-way plus pushbutton • MIL-PRF-8805 Design 4 • MIL grade options • Lockout feature • 1 & 2 pole • Threaded or press fit case • Up to 5A @ 28VDC, or logic level 	Accessories Toggle Guards <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 
HTWE / HTWME <ul style="list-style-type: none"> • Proportional output thumbwheel • Electronics IP68S • 1,000,000 cycles • Return to end single axis actuator • EMI/RFI immunity • 8 output options • HTWME is miniature version 	B5-7 <ul style="list-style-type: none"> • Miniature • Unsealed • 2 pole • MIL grade options • 10A @ 28VDC, or logic level 	T4/T5 Large Trim <ul style="list-style-type: none"> • 4-way momentary toggle with or without center pushbutton • MIL-PRF-8805 Design 2 or 4 • MIL grade options • Up to 5A @ 30VDC 	Flip Guards <ul style="list-style-type: none"> • For pushbutton switches with 15/32" bushing • Momentary & maintained actuation • Easy front panel installation • Optional D flat or mounting tabs 
HTWS <ul style="list-style-type: none"> • Subminiature proportional output thumbwheel • Electronics IP68S • 3,000,000 cycles • Sealing boot option • EMI/RFI immunity 	HFNR <ul style="list-style-type: none"> • Forward/Neutral/Reverse rocker • Electronics IP68S • 3,000,000 cycles • Backlight 2-24VDC LED • EMI/RFI immunity • Snap in panel mounting • 8 output options 	TK <ul style="list-style-type: none"> • 4-way momentary toggle w/ or w/out ctr. pushbutton • Logic level • Tactile response • IP64, IP68S or unsealed • Threaded case • 50mA max @ 12VDC 	Split Trim <ul style="list-style-type: none"> • Two 2-way momentary action switches • Water resistant per MIL-STD-810F, method 506.4, procedure 3 • Tactile response • MIL grade options • 2A @ 28VDC, or logic level 