OTTO
Expect Excellence.

Standard Switch Guide

Pushbutton

LP3 / LP5
- Momentary/ alternate action
- IP64 or IP68S
- Illum. 2 to 24VDC LED
- 5A @ 28VDC or 115VAC; low level

LP3-V / LP5-V
- Momentary/ alternate action
- IP64 or IP68S
- Vandal resistant
- Illum. 2 to 24VDC LED
- 5A @ 28VDC or 115VAC; low level

LP7-D
- Momentary action
- IP64 or IP68S
- Flush or raised button
- Square button option
- Illum. 2 to 12VDC LED
- 5A @ 28VDC or low level

LP9
- Momentary action
- IP68S
- Miniature
- Lower cost plastic housing
- Low level only option (LP9L)
- Illum. 2 to 12VDC LED
- 5A @ 28VDC or 115VAC

P1
- Momentary action
- MIL-PRF 8805 Design 2 or Design 3 or IP68S
- 7 case styles
- 10A @ 28VDC or 115VAC; low level

P2
- Momentary action
- MIL-PRF 8805 Design 2 and Design 3
- 1-step and 2-step versions
- Unique 3-mode design
- 5A @ 28VDC or 125VAC; low level

P3
- Momentary or push pull action
- IP64 or IP68S
- 5 case styles
- 10A @ 28VDC or 115VAC; low level

P3-D
- Momentary action
- IP64 or IP68S & IP69K
- Domed button style
- 5/8" threaded case
- 10A @ 28VDC or 115VAC; low level

P4
- 2-step & momentary action
- IP68S seal option
- 1 to 4 poles
- 8 case styles
- RF shielded options
- 8 circuit forms

P5
- Alternate action
- IP64 & MIL-PRF-8805 Design 2 or IP68S
- MIL grade available
- Threaded or press fit case
- 10A @ 28VDC or 115VAC; low level

P5-D
- Alternate action
- IP64 & MIL-PRF-8805 Design 2 or IP68S
- Domed button
- 5/8" threaded case
- 10A @ 28VDC or 115VAC; low level

P5-V
- Alternate action
- IP64 or IP68S & IP69K
- Vandal resistant
- Threaded 5/8" or 3/4" case
- Alum. or stain. steel housing
- 10A @ 28VDC or 115VAC; low level

P7
- Momentary action
- IP64, MIL options or IP68S
- Square button option
- MIL-PRF-8805/110
- Subminiature
- 5A @ 28VDC or low level

P7-D
- Momentary action
- IP64, IP68S or MIL options
- 15/32" threaded case
- N.O., N.C. or 2-circuit
- Square button option
- 5A @ 28VDC or 115VAC; low level

P8
- Momentary or push pull action
- IP64 or IP68S
- 7 bezel styles
- 10A @ 28VDC or 115VAC; low level

P8-V
- Momentary action
- IP64 or IP68S & IP69K
- Vandal resistant
- 10A @ 28VDC or 115VAC; low level
- Threaded 5/8" or 3/4" case
- Alum. or stain. steel housing

P9
- Momentary action
- IP64 or IP68S & IP69K
- 15/32" threaded or snap in case
- N.O., N.C. or 2-circuit
- 5A @ 28VDC or 115VAC; low level

P9C
- Momentary action
- IP68S
- 15/32" theaded case
- N.O. only
- Lower cost P9
- 3,000,000 cycles
- 100mA @ 1-32VDC

Toggle

PE
- Momentary action
- Unsealed or dusttight
- MIL-PRF-8805/96
- Compact design
- Meets high shock & vibration requirements
- Up to 5A @ 28VDC or 115VAC

PE2
- Momentary 2 circuit, DPDT
- Splashproof
- MIL-PRF-8805/99
- Meets high shock & vibration requirements
- 2A @ 28VDC or 115VAC

Rocker

K1
- Momentary/ maintained action
- IP68S & IP69K
- Lighted/Unlighted
- 16A @ 28VDC or 125VAC; low level

K2
- Momentary/ maintained action
- IP68S & IP69K
- 1 or 2 pole
- Lighted/Unlighted
- 16A @ 28VDC or 125VAC; low level

K3
- Momentary/ maintained action
- IP68S & IP69K
- Lighted/Unlighted
- SAE printed legends
- 20A @ 12/28VDC or 125VAC; low level

K4
- Mom/Main/Ctr. off
- IP68S & IP69K
- Snap-in toggle
- 1 or 2 pole
- Lighted/Unlighted
- 16A @ 28VDC or 125VAC; low level

K5
- Momentary/ maintained action
- IP68S & IP69K
- Soft touch rocker
- Lighted/Unlighted
- SAE printed legends
- 20A @ 28VDC or 115VAC; low level

R2
- Momentary/ maintained action
- IP68S
- Rotary knob
- Lighted/Unlighted
- 20A @ 28VDC or 115VAC; low level

U2
- Momentary action
- IP64 or IP68S
- Made with P8 pushbuttons
- 10A @ 28VDC or 115VAC; low level

T1
- Momentary/maintained action
- Sealed per MIL-DTL-83731
- Lockout feature option
- Up to 5A @ 28VDC
- QPL options
- 2 & 3 position
- 2, 3, 4, 6 & 8 pole

T3
- Momentary/maintained action
- MIL seal options
- Lockout feature option
- Miniature toggle
- QPL options
- 1 or 2 pole
- 5A @ 28VDC or 115VAC

T7
- Momentary/ maintained action
- IP68S & IP69K
- Lower cost toggle
- 1 or 2 pole
- 16A @ 28VDC or 115VAC; low level

T9
- Momentary/ maintained action
- IP68S
- 1 or 2 pole
- MIL-PRF-3950 option
- Up to 16A @ 28VDC or 115VAC; low level

TE
- Momentary/ maintained action
- Sealed per MIL-DTL-8834
- 1 or 2 pole
- Threaded bushing
- 5A @ 28VDC or 115VAC; low level

Accessories

Sealing Boots
- Pushbuttons
- Toggles
- Rockers

Shrouds
- Aluminum alloy
- Variety of colors
- Custom designs & fabrication

Toggle Guards
- QPL MS25224, MS27752
- For 2 & 3 pos toggle with 15/32" bushing
- Spring loaded cover
- Slotted or flat keyway

Flip Guards
- 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 / Reach / WEEE compliant designs

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

2 East Ma
Phone: 84
www.otto

Engineering, Inc.
Engineering, Inc.

on #MKT2015-37

GS GLOBAL RESOURCES
Foremost in Machine Performance for Life

GS Global Resources • 1-800-261-8735 • gsglobalresources.com
926 Perkins Drive, Mukwonago, WI 53149

© GS GLOBAL RESOURCES, INC. ALL RIGHTS RESERVED.

OTTO®
Expect Excellence.

Standard Switch Guide

Hall

HPL
- Proportional output pushbutton
- Electronics IP65 or IP68S
- 10,000,000 cycles
- 9 Button color choices
- Rocker version available
- Termination style choices

HPW
- Proportional output paddle or lever
- Electronics IP68S
- 1,000,000 cycles
- Self centering single axis actuator
- EMI/RFI immunity
- 8 output options

HP7
- Momentary action pushbutton (ON/OFF)
- Electronics IP64 or IP68S
- 10,000,000 cycles
- Domed button choices
- Mechanical detent option
- Termination style choices
- Lower cost version HP7C

HTL Series
- Proportional output finger joystick
- Electronics IP68S
- 1,000,000 cycles
- 2 & 4 way actuation
- EMI/RFI immunity
- Redundant outputs option

HTW
- Proportional output thumbwheel
- Electronics IP68S
- 3,000,000 cycles
- 8 output options
- EMI/RFI immunity
- Detent option available
- Miniature style option (HTWM)

HTWF
- Proportional output thumbwheel
- Electronics IP68S
- EMI/RFI immunity
- 8 output options
- Friction hold actuation
- Rocker switch mounting

HTWE
- Proportional output thumbwheel
- Electronics IP68S
- 1,000,000 cycles
- Return to end single axis actuator
- EMI/RFI immunity
- 8 output options
- Miniature style option (HTWME)

HFNR
- Forward/Neutral/ Reverse rocker
- Electronics IP68S
- 3,000,000 cycles
- Backlight 2-24VDC LED
- EMI/RFI immunity
- Snap in panel mounting
- 8 output options

Trim

T1 Mini Trim
- 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

T4/T4-T Mini Trim
- 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

T5 Mini Trim
- 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 low level

T8 Mini Trim
- 8-way momentary action
- IP64, IP68S or MIL-PRF-8805 Design 3
- Threaded or press fit case
- MIL grade options
- 1A @ 28VDC or low level

T2 Large Trim
- 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 low level

T4/T5 Large Trim
- 4-way momentary toggle with or without center pushbutton
- MIL-PRF-8805 Design 2 or 4
- MIL grade options
- Up to 5A @ 30VDC

Split Trim
- Two 2-way momentary action switches
- Water resistant per MIL-STD-810F, method 506.4, procedure 3
- Tactile response
- MIL grade options
- 2A @ 28VDC; low level

Basic

B1/B1-5
- Ultra small subminiature
- Unsealed
- MIL grade options
- Integral levers on B1-5
- 2A @ 28VDC or 115VAC; low level

B2/B2-5
- Subminiature
- Unsealed
- MIL-PRF-8805/4 & /106 & /109
- Integral levers on B2-5
- 7A @ 28VDC or 115VAC; low level

B3
- Subminiature
- Unsealed
- MIL grade options
- Integral lever option
- MIL-PRF-8805/76 & 101
- Up to 8A @ 28VDC or 115VAC; low level

B5
- Miniature
- Unsealed
- QPL & MIL grade options
- Terminal choices
- 10A @ 28VDC or 115VAC; low level

B5-7
- Miniature
- Unsealed
- 2 pole
- MIL grade options
- 10A @ 28VDC or low level

Pendant

U2-096
- Remote handheld pushbutton
- Coiled cord extends to 20'
- Terminated with a connector
- 5A @ 28VDC

U7
- Unsealed, IP64 or IP68S
- High performance
- Single & dual switch configurations
- Color, cable and connector choices
- 10mA @ 30mV max.

U2-034
- Remote handheld pushbutton
- Option to terminate with a 1/4" right angle molded phone plug
- 24" coiled cord, extends to 15'
- 5A @ 28VDC

Noteworthy Designs

P6
- Sealed limit switch
- Sealed per MIL-PRF-8805 Design 3
- Pin or roller plunger
- Axial or radial leads
- One-piece housing
- Up to 7A @28VDC or 115VAC; low level

P6-3
- Sealed limit switch
- Sealed per MIL-PRF-8805 Design 3
- Compact design
- Four actuator styles
- Precision operating points
- 10A @28VDC

P3-30101-8
- Large diameter pushbutton snaps on to special style body with leads
- IP64
- 1,000,000 cycles
- 10A @ 28VDC or 115VAC

P1-30052
- Push/Pull switch
- Sealed per MIL-PRF-8805 Design 3
- MIL grade
- 5/8" threaded case
- 10A @ 28VDC or 115VAC

U2-621
- Flight grip rocker switch
- Shallow mounting depth
- Spring return to center
- Uses OTTO B3 basic switches
- 5A @ 28VDC or 115VAC; low level

U2-605
- Two-Step trigger switch
- IP68S
- Special housing can be sealed to grip
- Uses OTTO P8 pushbutton switches
- 10A @ 28VDC or 115VAC

J2 Transducer
- Short travel
- Sealed per MIL-PRF-8805 Design 3
- MIL grade
- .750"/.655"/.560" diameter flange mount
- Full/half bridge & isolated circuit type

Custom T3 Toggle
- Add a legend, lettering or logo
- Snap-action contact actuation
- Lever lockout options
- 15/32-32 bushing
- 5A @ 28VDC or 115VAC
- Anodized handle available in a variety of colors

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

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

2 East Main Street • Carpentersville, IL 60110
Phone: 847.428.7171 • Fax: 847.428.1956
www.ottoexcellence.com

© Copyright 2015 OTTO Engineering, Inc.
® OTTO and the OTTO Expect Excellence logo are registered trademarks of OTTO Engineering, Inc.
All rights reserved. Publication #MKT2015-37