

## SEALED, ILLUMINATED ROCKER SWITCHES

ATTRACTIVE &amp; RUGGED FOR WET &amp; DUSTY ENVIRONMENTS

The OTTO K5 series is a quality, precision switch designed to comply with standards established for appliance, marine (ignition protection) and off-road vehicles along with other demanding applications where rugged rocker switches are required.

K5 series sealed rocker switches snap into industry-standard panel cutouts. Choose illuminated and printed legends, thru-panel drain option and switching compatibility from low level up to 20 amps.

The K5 series offers a choice of LED, incandescent and neon illumination. Legends can be stamped onto a non-illuminated button, stamped onto an illuminated lens or laser etched into the lens and backlit.

Available in standard and low level contact ratings, the K5 rockers will fit a wide range of applications. Expect a minimum of 25,000 cycles at a full rated load of 20 amps resistive or 15 amps inductive. 100,000 cycles mechanical. A full complement of switch operation is available including momentary and maintained action in 2 or 3-position switches in SPST, SPDT, SPTT, DPST and DPDT circuit arrangements.

OTTO can provide custom colors upon request. Value-added assemblies with wire leads are also available. Please consult the factory for assistance.

## Features:

- Sealed watertight per IP68S
- Snap-in panel mounting into industry standard panel cutout
- Optional panel seal gasket
- LED, neon & incandescent lighting
- 0.250" Quick Connect terminals
- Optional one-piece connector
- Optional terminal barriers
- Low level up to 20 amp switch
- Configurable Single Pole Triple Throw (SPTT) with external jumpers
- Soft Touch button available
- RoHS/WEEE/Reach compliant



Raised Bars Shown

### Standard Characteristics/Ratings:

#### ELECTRICAL RATINGS:

| Load      | Sea Level<br>@ 28VDC                   | Sea Level<br>@ 115VAC, 60/400Hz |
|-----------|----------------------------------------|---------------------------------|
| Resistive | 20A                                    | 16A                             |
| Inductive | 15A                                    | 15A                             |
| Lamp      | 5A                                     | 5A                              |
| Motor     | 0.5HP @ 110VAC                         |                                 |
| DWV       | 1050Vrms except across light terminals |                                 |
| Low Level | 10mA @ 30mV                            |                                 |

**Electrical Life:** 25,000 cycles

#### LIGHTING:

| Light Source | Rating                 |
|--------------|------------------------|
| Incandescent | (VDC) 6V, 12V, 24V     |
| Neon         | (VAC) 125V, 250V       |
| LED          | (VDC) 2V, 6V, 12V, 24V |

**Mechanical Life:** 100,000 cycles

**Seal:** IP68S

**Operating Temp Range:** -40°C to +85°C

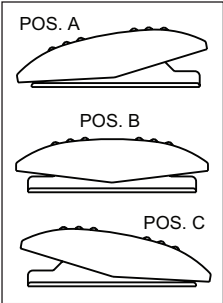
#### MATERIALS:

|                           |                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Case:</b>              | Thermoplastic                                                                                            |
| <b>Button:</b>            | Thermoplastic                                                                                            |
| <b>Terminals/Contact:</b> | Brass, silver alloy with silver plate, gold flash for low level                                          |
| <b>Terminal Hardware:</b> | K5 series recommended Quick Connect terminals:<br>AMP 60253-2 for 12-16 AWG<br>AMP 42100-2 for 14-18 AWG |
| <b>Mounting Hardware:</b> | None provided                                                                                            |

## SNAP-IN PANEL MOUNTING

### K5 SERIES PART NUMBER CODE

Part Number Code Continued Below

| K5                                                                                      |  | X                                                                                | X | X                                                                                                                                                                             | XX | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | X |                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
|-----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Base Options                                                                            |  | Rocker Color*/Style                                                              |   | Rocker Features                                                                                                                                                               |    | Switch Action/Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |   | Light Source Type                                                                                                                                                                                                                                                                                                                                            |  | Light Circuit                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| A. With Keying Pin Only<br>Standard Rating<br>Silver Plate                              |  | A. Black Plastic Rocker<br>B. Black "Soft Touch" Rocker<br>C. Red Plastic Rocker |   | Position "A"      Position "C"<br>1. No Feature      1. No Feature<br>2. Lens            2. Lens<br>3. Raised Bars    3. Raised Bars<br>4. Raised Lit Bars 4. Raised Lit Bars |    | Position "A"      Position "B"      Position "C"      Circuit<br>1A. 3-4            NONE            OFF            SPST<br>2A. 3-4/8-9      NONE            OFF            DPST<br>1B. 3-4            NONE            3-2            SPDT<br>2B. 3-4/8-9      NONE            3-2/8-7      DPDT<br>1C. (3-4)          NONE            OFF            SPST<br>2C. (3-4)/(8-9)   NONE            OFF            DPST<br>1D. (3-4)          NONE            3-2            SPDT<br>2D. (3-4)/(8-9)   NONE            3-2/8-7      DPDT<br>1E. (3-4)          OFF            (3-2)          SPDT<br>2E. (3-4)/(8-9)   OFF            (3-2)/(8-7)   DPDT<br>1F. 3-4            OFF            3-2            SPDT<br>2F. 3-4/8-9      OFF            3-2/8-7      DPDT<br>1G. (3-4)          OFF            3-2            SPDT<br>2G. (3-4)/(8-9)   OFF            3-2/8-7      DPDT |   | A. No Illumination<br>B. 6V Incandescent<br>C. 12V Incandescent<br>D. 24V Incandescent<br>E. 125VAC Neon<br>F. 250VAC Neon<br>G. 2V Red LED<br>H. 2V Green LED<br>J. 2V Amber LED<br>K. 6V Red LED<br>L. 6V Green LED<br>M. 6V Amber LED<br>N. 12V Red LED<br>P. 12V Green LED<br>Q. 12V Amber LED<br>R. 24V Red LED<br>S. 24V Green LED<br>T. 24V Amber LED |  | Circuit      Terminal Connections<br>A. NONE      NONE<br>B. Dep. in "A"      1(-) & 4(+)<br>C. Dep. in "C"      2(+) & 5(-)<br>D. Ind. in "A"      1(-) & 6(+)<br>E. Ind. in "C"      5(-) & 10(+)<br>F. Dep. in "A"      1(-) & 4(+)<br>Dep. in "C"      2(+) & 5(-)<br>G. Dep. in "A"      1(-) & 4(+)<br>Ind. in "C"      5(-) & 10(+)<br>H. Ind. in "A"      1(-) & 6(+)<br>Dep. in "C"      2(+) & 5(-)<br>J. Ind. in "A"      1(-) & 6(+)<br>Ind. in "C"      5(-) & 10(+) |  |
| D. With Keying Pin Only<br>Low Level Rating<br>Gold Plate                               |  | *Additional colors available.<br>Contact factory.                                |   |                                                                                              |    | Special Circuits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |   |                                                                                                                                                                                                                                                                                                                                                              |  | NOTE: Polarity only applies to LED circuits.                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| E. Without Barriers or Pin<br>Low Level Rating<br>Gold Plate                            |  |                                                                                  |   |                                                                                                                                                                               |    | Position "A"      Position "B"      Position "C"      Special Circuits<br>1H. 3-4/8-9      8-9            OFF            ON/ON/OFF<br>1J. 3-4/8-9      8-9            NONE          ON/ON/NONE<br>1K. (3-4)/(8-9)   8-9            OFF          (ON)/ON/OFF<br>1L. (3-4)/(8-9)   8-9            NONE          (ON)/ON/NONE<br>1M. 3-4/8-9      3-2/8-9      3-2/8-7      ON/ON/ON<br>1N. (3-4)/(8-9)   3-2/8-9      3-2/8-7      (ON)/ON/ON<br>1P. (3-4)/(8-9)   3-2/8-9      (3-2)/(8-7)   (ON)/ON/(ON)<br>2R. 3-4/8-9      OFF/8-9      OFF/OFF      ON/OFF/OFF<br>2S. (3-4)/8-9    OFF/8-9      OFF/OFF      (ON)/OFF/OFF<br>ON/OFF/OFF<br>ON/OFF/OFF                                                                                                                                                                                                                         |   |                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| F. With Terminal Barriers Only<br>Low Level Rating<br>Gold Plate                        |  |                                                                                  |   |                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| G. With Keying Pin Only<br>Standard Rating<br>No Plate                                  |  |                                                                                  |   |                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| H. Without Barrier or Pin<br>Standard Rating<br>No Plate                                |  |                                                                                  |   |                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| J. With Terminal Barriers Only<br>Standard Rating<br>No Plate                           |  |                                                                                  |   |                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| NOTE: All code combinations are not feasible. Consult factory for product availability. |  |                                                                                  |   |                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |
| NOTE: ( ) denotes momentary action.                                                     |  |                                                                                  |   |                                                                                                                                                                               |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                                                                                                                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |

NOTE: All code combinations are not feasible. Consult factory for product availability.

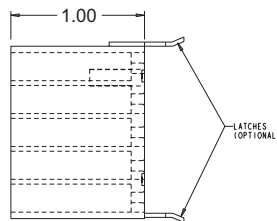
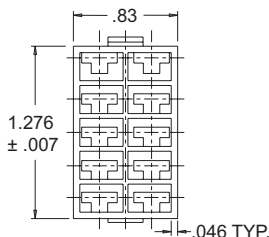
NOTE: ( ) denotes momentary action.

### K5 PART NUMBER CODE - CONTINUED FROM ABOVE

| X                                                                                                                                                                                                                                                                                                 |  | XX                                                                                                                                                    | XX | X                                                                                                                                                                                                                                                          | X | X                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------|
| Lens Color                                                                                                                                                                                                                                                                                        |  | Legend Style                                                                                                                                          |    | Legend Color                                                                                                                                                                                                                                               |   | Legend Orientation                                                                                              |
| Position "A"    Position "C"<br>1. Transparent Red    1. Transparent Red<br>2. Transparent Green    2. Transparent Green<br>3. Transparent Amber ①    3. Transparent Amber ①<br>4. Clear ①    4. Clear ①<br>5. Translucent White ②    5. Translucent White ②<br>Z. No Lens    Z. No Lens          |  | Position "A"    Position "C"<br>ZZ. No Legend    ZZ. No Legend                                                                                        |    | Position "A"    Position "C"<br>1. Red    1. Red<br>2. Black    2. Black<br>9. White    9. White<br>B. Backlight/Daylight White ③    B. Backlight/Daylight White ③<br>D. Backlight/Deadfront ③    D. Backlight/Deadfront ③<br>Z. No Legend    Z. No Legend |   | Position "A"    Position "C"<br>1. Std.    A    C<br>2. 90°    A    C<br>3. 180°    A    C<br>4. 270°    A    C |
| NOTE: It is not recommended to use green LEDs with translucent white lenses. This will reduce light intensity. Use clear lenses with green LEDs for maximum light intensity.<br>① Recommended for neon lamps.<br>② Special Order: Ultra bright green LEDs to be used with translucent white lens. |  | NOTE: For all other legend options, refer to the legend table on page 155, find the two digit code and enter the code in the appropriate position(s). |    | ③ Only available on Rocker Style "A" & Rocker Features "1" and lens color "Z" for each position.                                                                                                                                                           |   |                                                                                                                 |
| STOP HERE for unlighted switches without legends.<br>Example: K5AA331BAA                                                                                                                                                                                                                          |  | STOP HERE for lighted switches without legends.<br>Example: K5AA331FNH-44                                                                             |    |                                                                                                                                                                                                                                                            |   |                                                                                                                 |

STOP HERE for unlighted switches without legends.

Example:  
K5AA331BAA



**K5 Connector**  
P/N 801775-2A Without Latches  
P/N 801775-2B With Latches

**Recommended Quick Connect Terminals**  
AMP 60253-2 for 12-16 AWG  
AMP 42100-2 for 14-18 AWG

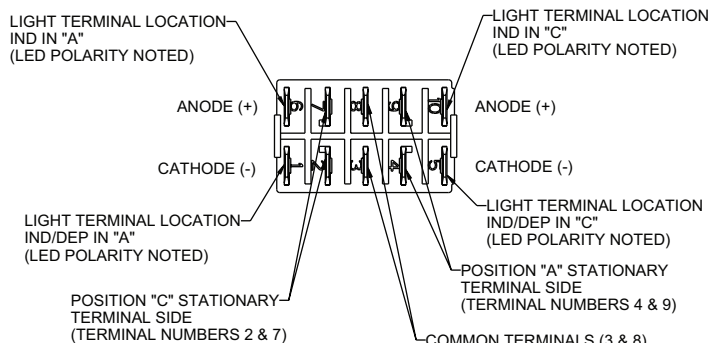
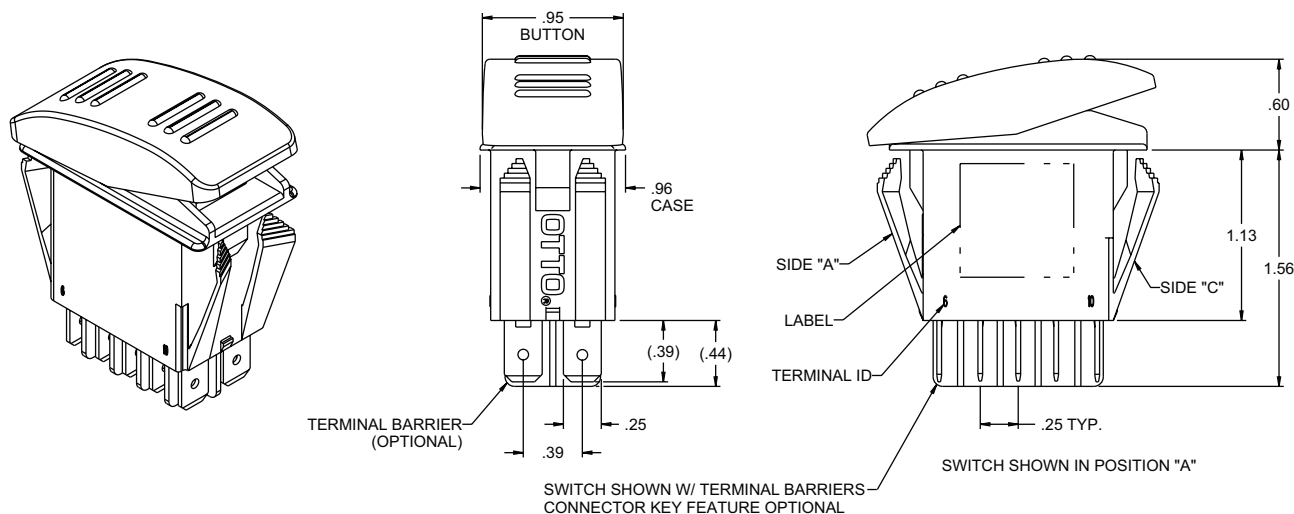
**Panel Seal Gasket**  
P/N 807109

• K5 panel plugs available as shown on page 160.

# SEALED, ILLUMINATED ROCKER SWITCHES

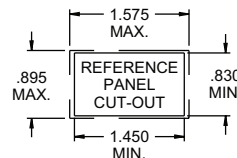
**K5**  
SEALED  
ROCKERS

ATTRACTIVE & RUGGED FOR WET & DUSTY ENVIRONMENTS



TERMINAL LOCATIONS AS VIEWED FROM BOTTOM OF SWITCH  
(CASE REMOVED FOR CLARITY)  
CONTACT MADE IN OPPOSITE DIRECTION OF ROCKER TRAVEL

MOUNTING OPENING:  
PANEL THICKNESS RANGE OF .025 - .105 A GASKET IS RECOMMENDED  
PANEL THICKNESS RANGE OF .105 - .187 W/O GASKET  
PANEL OPENING: MIN. TYP. MAX.  
WIDTH .830 .863 .895  
LENGTH 1.450 1.513 1.575



|                                                                                          |                                                                                 |                                                                                          |                                                                                                             |                                                                                                             |                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>POS "A"</p> <p>POS "B"</p> <p>POS "C"</p> <p>SPECIAL CIRCUIT - ON-ON-ON SCHEMATIC</p> | <p>K5....2A....</p> <p>DPST - ON-NONE-OFF SCHEMATIC</p>                         | <p>K5....2B....</p> <p>DPDT - ON-NONE-ON SCHEMATIC</p>                                   | <p>K5....2C....</p> <p>DPST - (ON)-NONE-OFF SCHEMATIC</p>                                                   | <p>K5....2D....</p> <p>DPDT - (ON)-NONE-ON SCHEMATIC</p>                                                    | <p>GENERAL SCHEMATIC INFORMATION</p> <p>○—○ INDICATES MAINTAIN ACTION (FIXED POSITION)</p> <p>▼—○ INDICATES MOMENTARY ACTION (AUTOMATIC RETURN POSITION)</p> <p>FOR OTHER LIGHTING SCHEMATICS REPLACE FOLLOWING SYMBOLS:</p> <p>⬢ INCANDESCENT (REPLACE RESISTOR &amp; LED)</p> <p>⬢ NEON (REPLACE LED)</p> |
| <p>K5....2E....</p> <p>DPDT - (ON)-OFF-(ON) SCHEMATIC</p>                                | <p>K5....2F....</p> <p>DPDT - ON-OFF-ON SCHEMATIC</p>                           | <p>K5....2G....</p> <p>DPDT - (ON)-OFF-ON SCHEMATIC</p>                                  | <p>K5....2BND...Z</p> <p>DPDT - ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A"</p>                             | <p>K5....2BNC...Z</p> <p>DPDT - ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "C"</p>                             |                                                                                                                                                                                                                                                                                                             |
| <p>K5....2BND...Z</p> <p>DPDT - ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A"</p>          | <p>K5....2BNE...Z</p> <p>DPDT - ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "C"</p> | <p>K5....2BNF...</p> <p>DPDT - ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" &amp; "C"</p> | <p>K5....2BNG...</p> <p>DPDT - ON-NONE-ON SCHEMATIC W/DEPENDENT LED IN "A" &amp; INDEPENDENT LED IN "C"</p> | <p>K5....2BNH...</p> <p>DPDT - ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" &amp; DEPENDENT LED IN "C"</p> | <p>K5....2BNJ...</p> <p>DPDT - ON-NONE-ON SCHEMATIC W/INDEPENDENT LED IN "A" &amp; "C"</p>                                                                                                                                                                                                                  |



## SNAP-IN PANEL MOUNTING

## Standard Legends Per SAE Specifications

| STANDARD LEGENDS PER SAE SPECIFICATIONS |                                                                                       |                         |    |                                                                                       |                                  |
|-----------------------------------------|---------------------------------------------------------------------------------------|-------------------------|----|---------------------------------------------------------------------------------------|----------------------------------|
| A1                                      |      | ANCHOR                  | K2 |      | UNLOCK                           |
| B1                                      |      | BATTERY                 | L1 |      | LIGHT                            |
| B2                                      |      | ELECTRIC POWER          | L2 |      | MASTER LIGHTING SWITCH           |
| C1                                      |      | AC/COOLING SYSTEMS      | L3 |      | HEADLIGHTS                       |
| C2                                      |      | DEHUMIDIFIER            | L4 |      | HEADLIGHTS-LOW /<br>DIPPED BEAM  |
| C3                                      |      | HEATER/INTERIOR HEATING | L5 |      | HEADLIGHTS-HIGH /<br>UPPER BEAM  |
| D1                                      |      | WINDSHIELD DEFROSTER    | L6 |      | PARKING LIGHT                    |
| D2                                      |      | REAR WINDOW DEFROSTER   | L7 |      | WORK LAMP                        |
| D3                                      |      | MIRROR DEFROSTER        | L8 |      | WORK LAMP                        |
| E1                                      |      | ENGINE/START            | L9 |      | INTERIOR DOME LIGHT              |
| E2                                      |     | ENGINE/STOP             | M1 |     | BEACON                           |
| E3                                      |    | ON/START                | M2 |    | HAZARD/POSITION LIGHTS           |
| E4                                      |    | OFF/STOP                | M3 |    | CLEARANCE LIGHTS                 |
| E5                                      | ON                                                                                    | ON                      | M4 |    | SIDE MARKER LIGHT                |
| E6                                      | OFF                                                                                   | OFF                     | M5 |    | RUNNING LIGHTS<br>(UNDER POWER)  |
| E7                                      |    | ENGINE ELECTRIC PREHEAT | M6 |    | ANCHOR LIGHT                     |
| E8                                      |    | ENGINE-GAS INJECTION    | M7 |    | RUNNING/ANCHOR LIGHTS            |
| F1                                      |    | FRONT FOG LIGHTS        | M8 |    | SEARCH LIGHT                     |
| F2                                      |    | REAR FOG LIGHTS         | M9 |    | LEFT TURN SIGNAL                 |
| G1                                      |    | FUEL                    | MA |    | RIGHT TURN SIGNAL                |
| H1                                      |    | HORN                    | P1 |    | BILGE PUMP #1                    |
| H2                                      |    | HORN REAR               | P2 |    | BILGE PUMP #2                    |
| K1                                      |    | LOCK                    | P3 |    | BILGE PUMP #3                    |
|                                         |                                                                                       |                         | P4 |    | BILGE PUMP                       |
| P5                                      |    | BILGE BLOWER            | R1 |    | LIFT                             |
| R2                                      |    | LOWER                   | R3 |    | UP                               |
| R4                                      |    | DOWN                    | R5 |    | RIGHT                            |
| R6                                      |    | LEFT                    | R7 | FWD                                                                                   | FORWARD                          |
| R8                                      | REV                                                                                   | REVERSE                 | S1 |    | RADIO                            |
| S2                                      |   | MUTE                    | T1 |  | FAST                             |
| T2                                      |  | SLOW                    | T3 |  | TRIM TAB /<br>TRIMMING OPERATION |
| T4                                      |  | TRANSMISSION            | V1 |  | VENTILATING / AC FAN             |
| W1                                      |  | WINDSHIELD WIPER        | W2 |  | WINDSHIELD-WASHER                |
| W3                                      |  | WINDSHIELD-WASHER/WIPER | W4 |  | REAR WINDOW WIPER                |
| W5                                      |  | REAR WINDOW-WASHER      | W6 |  | REAR WINDOW-WASHER/WIPER         |
| ZZ                                      |                                                                                       | NO LEGEND               |    |                                                                                       |                                  |

For legends not shown, please consult an OTTO representative.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## OTTO:

[K5AB211AQD-3ZM4ZZ9Z2](#) [K5AB221MQJ-22T1T2992](#) [K5AA211ACB-2Z](#) [K5AA221FQJ-33](#) [K5AA231ANB-1Z](#)  
[K5BA332CAA](#) [K5AA111PAA](#) [K5AB412ARB-4Z](#) [K5AA112BAA](#) [K5AA211ADB-1Z](#) [K5AA221FQF-44](#) [K5AA222RQH-44](#)  
[K5AB211CPD-2ZK1ZZ9Z2](#) [K5EB231ASD-2Z](#) [K5GB221EHJ-22](#) [K5JE331FAA](#) [K5AA111AAA](#) [K5AA111ERJ-](#)  
[ZZR6R5BB1](#) [K5AA111NAA](#) [K5CB442BPJ-22](#) [K5CB442FNJ-11](#) [K5CC331EAA](#) [K5DB231ASB-2Z](#) [K5DB231ATB-3Z](#)  
[K5DD331BAA](#) [K5AB441FPF-22](#) [K5AB211CPD-2ZP5ZZ9Z2](#) [K5AB211EPD-2ZW2ZZ9Z2](#) [K5AB331MAA](#)  
[K5AB412APB-5Z](#) [K5AB412CRB-5Z](#) [K5DB231ESD-2Z](#) [K5AB221APJ-22T1T2993](#) [K5AB221MPJ-22P5V1993](#)  
[K5AB331AAA-ZZL3ZZ9Z2](#) [K5AB331FAA](#) [K5AB412ANB-5Z](#) [K5AB442FRJ-11](#) [K5BA112BAA](#) [K5CA332EAA](#)  
[K5CB331AAA](#) [K5CB332FAA](#) [K5CB442BNJ-11](#) [K5AA211CDD-2Z](#) [K5AA221BHH-12](#) [K5AA231ACB-5Z](#) [K5AA332DAA](#)  
[K5AB442BGJ-11](#) [K5AB211CPD-2ZE5ZZ9Z2](#) [K5AA111EAA-ZZR3R4994](#) [K5AA111KAA](#) [K5AA211AAA-1Z](#)  
[K5HB232ASD-2ZB2ZZ9Z4](#) [K5AA111BRJ-ZZR6R5BB1](#) [K5AA112EAA](#) [K5AA211ARB-1Z](#) [K5AA222GDJ-23](#)  
[K5AE211AND-5ZL1ZZ2Z4](#) [K5BA222FLG-44](#) [K5BB441FNF-11](#) [K5CA212ASD-4Z](#) [K5CB221BCF-11](#) [K5DA222EHJ-22](#)  
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[K5ABZZ1FAA](#) [K5AA111CAA](#) [K5AA111FAA](#) [K5AA111FPJ-ZZM5M6BB4](#) [K5AA111FSF-ZZP1P2BB4](#) [K5AB222ESJ-22](#)  
[K5AB222FSJ-22R7R8994](#) [K5AB332CAA](#) [K5AB332EAA](#) [K5AB411ASB-5Z](#) [K5AB432ASB-4Z](#) [K5AB442FGJ-11](#)  
[K5AA111APD-ZZL1ZZBZ4](#) [K5AB211EPD-2ZT4ZZ9Z3](#) [K5AB211MQD-2ZW1ZZ9Z2](#) [K5AB331AAA-ZZE3E4992](#)  
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[33](#) [K5EC231ARD-1ZM2ZZ9Z4](#) [K5FC311AAA-ZZE5E6224](#) [K5HB231HSD-2ZV1ZZ9Z4](#) [K5AC331AAA](#)