V-Series

CONTURA X, XI, XII SWITCHES

The V-Series Contura X, XI & XII snap-in rocker/paddle switches offer countless unique options including choices for ratings, circuits, colors, illuminations and symbols. These single or double pole switches feature removable actuators in a choice of actuator styles and colors, and can be illuminated with either square or bar shaped lenses. Actuators and square lenses may also be purchased and stocked separately from the base assembly. They also feature a raised bracket/bezel which helps prevent inadvertent actuation of the switch.

The Contura switches with sealed option, are certified to IP66/68, signifying complete protection against dust and prolonged spray and submersion under pressure, and are recognized to UL1500 - Ignition Protection for Marine Products. These switches are vibration, shock, thermoshock, moisture and salt spray resistant. Temperature ratings range from -40°C to +85°C.

Resources:
Download 3D CAD Files
IGS ► STP ►
Watch Product Video

Product Highlights:
• Countless options for ratings, circuits, colors, illuminations and legends
• Certified to IP66/68 for front panel components
• Vibration, shock, thermoshock, moisture and salt spray resistant
• Temperature range from -40°C to +85°C.

Typical Applications:
• On/Off Highway Equipment
• Marine
• Military Armored Vehicles
• Mining Machinery and Equipment
• Any application requiring environmental protection

Carling Technologies®

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www.carlingtech.com
V-Series Switch

DESIGN FEATURES

INTERCHANGEABLE ACTUATORS
Panel redesign is a snap with our wide range of rocker styles. Achieve maximum design variety with minimum inventory. Simply swap rockers to create an entirely new look for your panel.

DUAL SEAL PROTECTION
Seals out water, dust, debris, and enables switch certification to IP66/68 for front panel components.

CLEAN CONNECTIONS
Options for both eight and ten terminal base styles with AMP & Packard compatible connectors affords myriad circuit options while providing ease of assembly.

OPTIONAL PANEL SEAL
Helps prevent water/dust ingress behind panel.

MULTIPLE LIGHTING OPTIONS
In addition to Incandescent lamps, our LED illumination is offered in a wide array of light intensities, colors, as well as dual level, tri-color, and flashing options.

BRASS ROLLER PIN
Robust mechanism eliminates the need for lubricants. Enables switch to withstand -40°C to +85°C temperatures.

SILVER PLATED BUTT CONTACT MECHANISM
Providing 50k to 100k electrical cycles and a variety of different electrical ratings.

*Manufacturer reserves the right to change product specification without prior notice.
Contura II & III
The Contura II & III actuators are constructed of thermoplastic polycarbonate and are offered with a hard nylon overlay or a “soft-touch” elastomer overlay. These models incorporate aesthetic designs on the top and bottom of the rocker featuring two rows of raised “bumps” on the Contura II and three “indented” lines on the Contura III.

Contura IV
The Contura IV’s “Shape to create a Shape” actuator works with the curves, contours & advanced styling of the latest panel designs, flowing with these advanced curves & radii. This actuator style fits on the Contura flush bracket/bezel.

Contura V
The symmetrically curved Contura V actuator provides the perfect complement to the Contura IV’s “Shape to create a Shape” design concept. With its flush style mounting bracket, Contura V can be mounted in between two Contura IV’s, by itself, or in groups.

Contura VI (WAVE)
The Contura VI WAVE sealed rocker switches, when used in a row, create an uniquely appealing “wave” design on your panel. A variety of colors and finishes are available for both rocker and wave insert. Contura VI features bar and oval lenses.

Contura VII
Contura VII featuring gently curved corners and edges assuring compatibility with most any panel design. Intuitive feel is maximized by the use of 2 embossed circular pads located at opposite ends of the rocker. Any combination of Bar or Oval style lenses can be located in the pads providing a truly unique look, exclusive to Contura VII.

Contura X
The raised bracket/bezel on the Contura X helps prevent inadvertent actuation of the rocker, as well as preventing debris from being trapped under the actuator. This curved rocker style is available with a variety of lenses and legends.

Contura XI
The raised bracket/bezel on the Contura XI helps prevent inadvertent actuation of the rocker, as well as preventing debris from being trapped under the actuator. This convex style rocker is available with a wide variety of lenses and legends.

Contura XII
The Contura XII version features a paddle style actuator with the raised bracket/bezel of Contura X and XI. The contoured handle design provides intuitive recognition and ease of operation and is available with all Contura X and XI lens and legend offerings.

Contura XIV
The Contura XIV represents a sleek new crossover rocker design which should appeal to Trucks, Buses and Heavy Vehicles as well as the Marine Industry. Intuitive feel is provided by recessed ridges along with a Center Groove which effectively defines the boundary between top and bottom switch functions.

Illuminated Indicators & Accessories
Alert operator of systems functions or malfunctions, are offered with removable/replaceable lamps in Contura II, II, V or X styles. Accessories include connectors, mounting panels, hole plugs, panel seals, and actuator removal tools. Refer to accessories page for full details.

Email: sales@carlingtech.com Application Support: team2@carlingtech.com
Phone: (860) 793–9281 Fax: (860) 793–9231 www.carlingtech.com
### Electrical Specifications

**Contact Rating**
- .4VA @ 24VDC (MAX) resistive
- 15 amps, 125VAC
- 10 amps, 250VAC
- 1/2 HP 125-250VAC
- 20 amps, 4-14VDC
- 15 amps, 15-28VDC
- 10A, 14VDC
- 6A, 125VAC-L

**Dielectric Strength**
- 1500 Volts RMS

**Insulation Resistance**
- 50 Megohms

**Initial Contact Resistance**
- 10 milliohms max. @ 4VDC
- 50,000 - 100,000 cycles circuit dependent

**Contacts**
- Silver alloy, silver tin-oxide, fine silver

**Terminals**
- Brass or copper/silver plate 1/4" (6.3mm) Quick Connect terminations standard. Solder lug, Wire Lead

### Mechanical Specifications

**Endurance**
- 150,000 cycles minimum circuit dependent

### Physical Specifications

**Lighted**
- Incandescent - rated 10,000 hours Neon - rated 25,000 hours LED - rated 100,000 hours 1/2 life (LED is internally ballasted for voltages to 24VDC)

**Seals**
- Internal

**Base**
- Optional external gasket panel seal
- Polyester blend rated to 125°C with a UL flammability rating of 94V0.

**Contura II, III, IV, V, VI, VII Actuator**
- **Hard Surface**: Basic actuator structure molded of thermoplastic polycarbonate with a hard Nylon 66 thermoplastic surface overlay.
- **Soft Surface**: Basic actuator structure molded of thermoplastic polycarbonate with an elastomer overlay.

**Contura X, XI, XII Actuator, VP**
- Nylon 66 Reinforced rated to 105°C

**Lens**
- Polycarbonate rated at 100°C

**Contura XIV**
- Polycarbonate lens/sub-rocker with ABS shell

### Actuator Travel (Angular Displacement)

- 2 position: 18°
- 3 positions: 9° from center

### Mounting Specifications

**Panel Thickness Range**

<table>
<thead>
<tr>
<th>Panel Thickness Range</th>
<th>Acceptable Panel Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>.030 to .250 (.76 to 6.35mm)</td>
</tr>
<tr>
<td>1</td>
<td>.030 to .109 &amp; .147 to .157 (.76 to 2.77mm &amp; 3.73 to 3.98mm)</td>
</tr>
</tbody>
</table>

Recommended: No gasket with panel thickness of .032, .062, .093, .125, .187 or .250

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### Environmental Specifications

**Sealing**
- Sealed version: IP66/68, this rating applies to front panel components of the actual switch only, and signifies complete protection against dust as well as powerful jets of water.
- Mixed Flowing Gas (MFG) Class III
- 3 year accelerated exposure per ASTM B-827, B-845 Silver and gold contacts
- -40°C to +85°C

**Corrosion**
- Mixed Flowing Gas (MFG) Class III
- 3 year accelerated exposure per ASTM B-827, B-845 Silver and gold contacts

**Operating Temp.**
- Vibration 1
  - Per Mil-Std 202F, Method 204D
  - Test Condition A 0.06 DA or 10G’s
  - 10-500 Hz. Tested with VCH connector.
  - Test criteria - No loss of circuit during test, pre and post test contact resistance.

- Vibration 2
  - Resonance search
  - 24-50 Hz 0.40 DA
  - 50-2000 Hz ±10 G’s peak
  - Horizontal Axis 3-5 G’s max.
  - Random
  - 24 Hz 0.06 PSD-Gsq/Hz
  - 60 Hz 0.50
  - 100 Hz 0.50
  - 200 Hz 0.025
  - 2000 Hz 0.025
  - No loss of circuit during test; <10μ seconds chatter.

- Per Mil-Std 202F, Method 213B, Test Condition K @ 30G’s. Tested with VCH connector. Test criteria - No loss of circuit during test, pre and post test contact resistance.

- Salt Spray
  - Per Mil-Std 202F, Method 101D, Test Condition A, 96 Hrs. Sealed version only.
  - Per Mil-Std 202F, Method 101D, Test Condition A, 96 Hrs. Sealed version only.
  - Per Mil-Std 810, Method 510.2 Air Velocity 300 Ft/Min Duration 16Hr

- Thermal Shock
  - Per Mil-Std 202F, Method 107F, Test Cond. A, -55°C to +85°C. Test criteria - pre and post test contact resistance.

- Moisture Resistance
  - Per Mil-Std 202F, Method 106F, Test Criteria - pre and post test contact resistance

- Ignition Protection
  - All Contura switches with sealed construction meet the requirements of UL1500/ISO8846 for ignition protection, in addition to conformance with EC directive 94/25/EC for marine products.
**V-Series Contura Sealed Rocker Switches - Contura X, XI & XII - Ordering Scheme**

### 1 SE Stockes

| V | 1 | D | A | B | 6 | 0 | 1 | - | 6 | P | Z | 00 | - | 00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

### 2 Circuit

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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<th>10</th>
<th>11</th>
<th>12</th>
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<th>14</th>
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<tbody>
<tr>
<td>Series</td>
<td>Circuit</td>
<td>Rating</td>
<td>Termination</td>
<td>Illumination</td>
<td>Lamp</td>
<td>Bracket</td>
<td>Actuator</td>
<td>Lens</td>
<td>Legend</td>
<td>Orientation</td>
<td>Lens Legend</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Terminal Connections as viewed**

- **M** - momentary
- **S** - superbright
- **P** - consult factory for "daylight bright" LED. Typical current draw for LED is 20mA

### 3 Rating

<table>
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<tr>
<th>1</th>
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<th>11</th>
<th>12</th>
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<th>14</th>
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<tbody>
<tr>
<td>1</td>
<td>15A 24V</td>
<td>15A 12V</td>
<td>10A 24V</td>
<td>10A 16V</td>
<td>12V 20A</td>
<td>14V 20A</td>
<td>14V 30A</td>
<td>18V 20A</td>
<td>24V 20A</td>
<td>24V 30A</td>
<td>18V 60A</td>
<td>18V 60A</td>
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### 4 Termination / Base Style

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<td>12</td>
<td>13</td>
<td>14</td>
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</table>

### 5 Illumination & Switch Sealing

Lamp #1 above terminals 1 & 4 - end of switch.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
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<tr>
<td>1</td>
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<td>11</td>
<td>12</td>
<td>13</td>
<td>14</td>
</tr>
</tbody>
</table>

### 6 Legend Orientation

<table>
<thead>
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<th>1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Orientation 1</td>
<td>Orientation 2</td>
<td>Orientation 3</td>
<td>Orientation 4</td>
</tr>
</tbody>
</table>

### 7 Actuator Lens Legend

<table>
<thead>
<tr>
<th>1</th>
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<th>3</th>
<th>4</th>
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<tbody>
<tr>
<td>Orientation 1</td>
<td>Orientation 2</td>
<td>Orientation 3</td>
<td>Orientation 4</td>
</tr>
</tbody>
</table>

### Notes

- Consult factory to verify horsepower rating for your particular circuit choice.
- Custom colors are available. Consult factory.
- White imprinting is standard on black actuators; Black imprinting is standard on white, red & gray actuators. Custom colors are available, consult factory.
- With 2 square lenses, use selection 10 for lens above lamp 1, & selection 14 for lens above lamp 2.
- Additional ratings available. See V-Serie Switch Accessories page.

### Additional Information

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- Phone: (860) 793–9281     Fax: (860) 793–9231  www.carlingtech.com
### V-Series Contura Sealed Rocker Switches - Contura X Locking - Ordering Scheme

<table>
<thead>
<tr>
<th>1 SERIES</th>
<th>V</th>
</tr>
</thead>
</table>

#### 2 CIRCUIT

Terminal Connections as viewed ( ) - momentary

| 1 - 4 | 1 - 4 |
| 2 - 5 | 2 - 5 |
| 3 - 6 | 3 - 6 |
| 10 - 9 | 10 - 9 |

- Position: SP DP
- 2 & 3, 5 & 6
- Connected Terminals 1 & 2, 4 & 5
- Jumper between terminals 2 & 5 for circuits H, G, M, R & S are specified in selection 4. External jumper between terminals 2 & 4 for circuit E is provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

#### 3 RATING

- **4** .4VA @ 28VDC Resistive
- B 15A 24V
- C 20A 18V
- D 20A 12V
- E 20A 14V, 10A 14VT (circuit 1, 4, A & D only)
- F 10A 14V, 6A 14VT (circuit G only)
- M .4VA/20A 12V
- N .4VA/15A 24V

#### 4 TERMINATION / BASE STYLE

<table>
<thead>
<tr>
<th>8 term</th>
<th>10 Term</th>
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<tbody>
<tr>
<td>1 2</td>
<td>.250 TAB (OC) no barriers</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td>A B</td>
<td>.250 TAB (OC) with barriers</td>
</tr>
<tr>
<td></td>
<td>Yes T2 to 5</td>
</tr>
<tr>
<td>C</td>
<td>Solder Lug no barriers</td>
</tr>
<tr>
<td>D</td>
<td>Solder Lug</td>
</tr>
<tr>
<td>E</td>
<td>Wire Leads</td>
</tr>
<tr>
<td></td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Wire Leads</td>
</tr>
</tbody>
</table>

- Note: Codes J & K for circuits H, G & M. Do not use silicone based lubricants to reduce terminal insertion forces during connector assembly, as it is detrimental to function and performance.

#### 5 ILLUMINATION & SWITCH SEALING

- Lamp #1: above terminals 1 & 4 end of switch; Lamp #2: above terminals 3 & 6 end of switch. Positive (+) and negative (-) symbols apply to LED lamps only
- Sealed: Lamps: Illumination Type
- Unsealed: Lamp wired to Terminals
- Lamp #1: Lamp #2: Independent: 6 (+) [-] 6
- DOUBLE POLE SWITCHES ONLY
- M R 1 UP 3 (+) 6 (-)

#### 6 LOCK

- Lock above terminals 1 & 4 end of switch.
- W Lock

#### 6.7 LAMP (same coding for both selections)

- Selection 6: above terminals 1 & 4; Selection 7: above terminals 3 & 6
- No lamp
- Neon
  - 1 125VAC
  - 2 250VAC
- Incandescent
  - 3 4V
  - 5 6V
  - 6 12V
  - 7 18V
  - 8 24V
- **LED**
  - Red
  - Amber
  - Green
  - Superbright
  - Red
  - Amber

#### 8 FLUSH BRACKET COLOR 1, PANEL SEAL

- Black
- White
- Gray
- Red
- White

#### 9 HARD SURFACE ACTUATOR

- Contura X
- Black
- Gray
- Red
- White

#### 10 LENS - ABOVE LAMP #2 TERMINALS

- Z - No Lens
- Clear
- White
- Amber
- Green
- Red
- Blue
- Lens Style
  - Bar
  - One piece Square
  - Two piece Square* (with clear top protective lens)
  - Two piece Square* (with smoke top protective lens)
  - Two piece Square* (with white top protective lens)

- * All bottom lenses are molded of opaque material. Consult factory for other lens colors.
- Lens color for LEDs must be clear, white, or match color of LED. Green or blue lenses are not recommended with Neon lamps.

#### 11 ACTUATOR LOCK FUNCTION AND COLOR

- Match Actuator
- A H R
- B J S
- C K T
- D L V
- E M W
- F N Y
- Safety Orange

#### 12 ACTUATOR LENS OR BODY LEGEND

- Match Actuator
- 00 - No Legend
  - 21 22 23 24
  - OFF ON O I
  - 25 26 27 28 I
  - F N

- For additional legend options & codes, visit us at www.carlingtech.com.

#### 13 LEGEND ORIENTATION

- 0 No legend (used with codes 11-18 in selection 12)
  - Orientation 1
  - Orientation 2
  - Orientation 3
  - Orientation 4

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Phone: (860) 793–9281  Fax: (860) 793–9231  www.carlingtech.com
Dimensional Specifications: in. [mm]

**CONTURA X**
Showed with raised bracket

**CONTURA XI**
Showed with raised bracket and two square lenses

**CONTURA XII**
Showed with paddle actuator

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**CONTURA X**
8 TERMINAL BASE W/BARRIERS

**CONTURA XI**
10 TERMINAL BASE W/O BARRIERS

**CONTURA XII**
8 TERMINAL BASE W/O BARRIERS

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**SWITCH SHOWN WITH VC1 CONNECTOR**

8 TERMINAL BASE 8 TERMINAL BASE 10 TERMINAL BASE

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## Circuit Diagrams:

<table>
<thead>
<tr>
<th>Circuit Code</th>
<th>Circuit Diagram</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td><img src="image1" alt="Circuit Diagram 1" /></td>
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<tr>
<td>2</td>
<td><img src="image2" alt="Circuit Diagram 2" /></td>
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<tr>
<td>3</td>
<td><img src="image3" alt="Circuit Diagram 3" /></td>
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<td>4</td>
<td><img src="image4" alt="Circuit Diagram 4" /></td>
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<td>7</td>
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<tr>
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<td><img src="image8" alt="Circuit Diagram 8" /></td>
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### SYMBOL LEGEND

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<tr>
<th>SYM</th>
<th>Definition</th>
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<tbody>
<tr>
<td>○</td>
<td>Designates terminals and contacts</td>
</tr>
<tr>
<td>○○</td>
<td>Designates maintained circuits</td>
</tr>
<tr>
<td>-</td>
<td>Designates other position</td>
</tr>
<tr>
<td>○○○</td>
<td>Designates momentary circuits</td>
</tr>
<tr>
<td>-</td>
<td>Designates two position connection</td>
</tr>
<tr>
<td>-</td>
<td>Designates external jumper provided by customer</td>
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</table>
### Lamp Circuit Diagrams:

<table>
<thead>
<tr>
<th>LAMP CIRCUIT CODE</th>
<th>CIRCUIT DIAGRAM</th>
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<tbody>
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<tr>
<td>D / 4</td>
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<tr>
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<tr>
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<tr>
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<td><img src="image" alt="L/9 Circuit Diagram" /></td>
</tr>
<tr>
<td>M / R</td>
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<tr>
<td>SPECIAL #1</td>
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<tr>
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### J-Series Hazard Warning Circuit Diagrams:

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<td>JJ</td>
<td><img src="image" alt="JJ Circuit Diagram" /></td>
</tr>
<tr>
<td>JK</td>
<td><img src="image" alt="JK Circuit Diagram" /></td>
</tr>
</tbody>
</table>

**NOTE:**
- J circuits are available for all non-locking V-Series styles.
- Consult factory for part number details.

### SYMBOL LEGEND

<table>
<thead>
<tr>
<th>SYM</th>
<th>DEFINITION</th>
</tr>
</thead>
<tbody>
<tr>
<td>○</td>
<td>DESIGNATES TERMINALS AND CONTACTS</td>
</tr>
<tr>
<td>○</td>
<td>DESIGNATES LAMP LOCATION</td>
</tr>
</tbody>
</table>
Reduce inventory levels and cost by stocking actuators and base switches separately.
Contura II, III, IV, V Actuator only: VV with code A or C for selection 9, & with selections 10-14 in the ordering schemes.
Contura VI Actuator with lenses and inserts only: VV with code selections 9-16
Contura X, XI, XII, XIV actuators with lenses separately: VV with code selections 9-14 in the ordering schemes.
Panel Seal: VPS

### Contura X & XI actuators without lenses separately:

<table>
<thead>
<tr>
<th>Code</th>
<th>Actuator Separately</th>
<th>Actuator</th>
<th>Lens Opening</th>
<th>Actuator Legend</th>
<th>Legend Orientation</th>
</tr>
</thead>
<tbody>
<tr>
<td>VVR</td>
<td>6</td>
<td>1</td>
<td>00</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

1 CONTURA X & XI ACTUATOR SEPARATELY

#### 2 ACTUATOR STYLE & COLOR
- Black
- Gray
- White
- Red

Contura X: 1 2 3 4
Contura XI: 6 7 8 9

#### 3 LENS OPENING FOR
- 1 One bar lens
- 2 One bar lenses
- 3 One square lens
- 4 Two square lens

#### 4 ACTUATOR LENS OR BODY LEGEND
- 00 - No Legend this location
- 11 ON 12 OFF 13 ON 14 OFF 15 O 16 O 17 ON 18 O 19 F 20 N 21 F 22 F 23 O 24 I 25 O 26 O 27 O 28 I

For additional legend options & codes, visit us at www.carlingtech.com.

#### 5 LEGEND ORIENTATION
- 0 No legend
- 1 Orientation 1
- 2 Orientation 2
- 3 Orientation 3
- 4 Orientation 4

### Contura XII actuators without lenses separately:

<table>
<thead>
<tr>
<th>Code</th>
<th>Actuator Separately</th>
<th>Actuator</th>
<th>Lens Opening</th>
<th>Actuator Legend</th>
<th>Legend Orientation</th>
</tr>
</thead>
<tbody>
<tr>
<td>VVP</td>
<td>6</td>
<td>1</td>
<td>00</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

1 CONTURA XII ACTUATOR SEPARATELY

#### 2 ACTUATOR STYLE & COLOR
- Black
- Gray
- White
- Red

Contura X: 1 2 3 4
Contura XI: 6 7 8 9
Contura XII: 10 11 12 13

#### 3.4 LENS OPENING FOR
- Z No lens
- 1 Bar lens
- 2 Square lens

#### 5, 7 LENS OR BODY LEGEND
- 00 - No Legend

For additional legend options & codes, visit us at www.carlingtech.com.

#### 6 LEGEND ORIENTATION
- 0 No legend
- 1 Orientation 1
- 2 Orientation 2

### Contura X, XI & XII top piece of 2-piece lens separately:

<table>
<thead>
<tr>
<th>Code</th>
<th>Lens Separately</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>VVT</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

1 TOP OF LENS SEPARATELY VVT

2 COLOR
- 1 Clear
- 2 Smoke
- 3 White

### Contura X, XI & XII actuator lens assembly:

[Diagram of actuator lens assembly]

1 piece lens/bar lens are positioned the same as bottom lens for assembly, minus the top lens. Lenses snap in from bottom.

Notes:
1. If actuator lens opening for 2 bar or 2 square lenses, legend orientation 0,1, or 2 must be chosen.
2. Center of actuator marking not available for Contura XII.
3. Legend is not available for bar style lens.
4. Not recommended with neon lamps.
5. Must also order top piece of 2 piece square lens separately.

### Contura X, XI & XII actuator lens assembly separately:

<table>
<thead>
<tr>
<th>Code</th>
<th>Lens Separately</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>VVL</td>
<td>2</td>
<td></td>
</tr>
</tbody>
</table>

1 CONTURA X, XI & XII LENS SEPARATELY VVL

2 LENS STYLE
- 1 Bar lens
- 2 One Piece Square lens
- 3 Bottom of Two-Piece Square lens

3 TRANSLUCENT LENS COLOR
- 1 Clear
- 2 White
- 3 Amber
- 4 Green
- 5 Red
- 6 Blue

4 LENS OR BODY LEGEND
- 00 - No Legend

For additional legend options & codes, visit us at www.carlingtech.com.

5 LEGEND ORIENTATION
- 0 No legend
- 1 Orientation 1
- 2 Orientation 2
- 3 Orientation 3
- 4 Orientation 4
Easily integrate Contura products into your system, with Contura Accessories

Contura Connectors

<table>
<thead>
<tr>
<th>COMPANY SERIES</th>
<th>PART NO</th>
<th>TIN PLATED BRASS</th>
<th>AWG</th>
<th>ORIENTATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PACKARD 58 SERIES</td>
<td>02965680</td>
<td>12</td>
<td>3.0</td>
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<tr>
<td></td>
<td>02965471</td>
<td>(2)(16-14)</td>
<td>(2)(1.0-2.0)</td>
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</tr>
<tr>
<td></td>
<td>02965470</td>
<td>16-14</td>
<td>1.0-2.0</td>
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<td>02965469</td>
<td>20-18</td>
<td>.5-.8</td>
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<td>10</td>
<td>5.0</td>
<td></td>
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<tr>
<td></td>
<td>12052224</td>
<td>12</td>
<td>3.0</td>
<td>A</td>
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<tr>
<td></td>
<td>12015870</td>
<td>16-14</td>
<td>1.0-2.0</td>
<td></td>
</tr>
<tr>
<td>AMP 250 SERIES FASTIN-FASTON</td>
<td>60253-1</td>
<td>16-12</td>
<td>1.3-3</td>
<td>B</td>
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<tr>
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<td>42100-1</td>
<td>18-14</td>
<td>.8-2</td>
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<tr>
<td></td>
<td>60295-1</td>
<td>22-18</td>
<td>.3-.9</td>
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</tbody>
</table>

NOTE: Consult Delphi Packard and/or Amp on actual part numbers and availability.

AMP is a registered trademark of AMP Inc. Harrisburg, PA
Delphi Packard is a registered trademark of Delphi-Packard Electrical Systems Warren, Ohio

Contura X Boot (P/N VB1-01)

Contura II, III, IV, V, VI & VII Actuator Removal Tool (P/N VRT)

Additional V-Series Ratings

1. .4VA @ 28VDC Resistive
2. 10A 250VAC 1/2 HP, 15A 125 VAC 1/2 HP, No Agency Listings
3. 10A 250VAC 1/2 HP, 15A 125 VAC 1/2 HP, UL Recognized, CSA Certified
4. 15A 24V
5. 20A 18V
6. 20A 12V
7. 20A 14V, 10A 14VT (circuits 1, 4, A, & D only)
8. 10A 14V, 6A, 14VT (circuit G only)
9. 20A 6V
10. 20A 3V
11. 15A 125 VAC, 10A 250VAC, 1/2 HP 125-250 VAC; 6A 125 VAC L
12. .4VA/20A 12V (combi-contact) (combination gold/silver contacts for borderline dry circuit applications)
13. .4VA/15A 24V (combi-contact) (combination gold/silver contacts for borderline dry circuit applications)

NOTES
Consult factory to determine availability for individual circuits and their HP rating.
1. Not available with Contura 7 or 14 rocker styles.
2. Rating L available with circuits 1, 4, A & D only.
Contura Mounting Panels
Dimensional Specifications: in. [mm]

Contura Hole Plug
Dimensional Specifications: in. [mm]
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Founded in 1920, Carling Technologies is a leading manufacturer of electrical and electronic switches and assemblies, circuit breakers, electronic controls, power distribution units, and multiplexed power distribution systems. With four ISO registered manufacturing facilities and technical sales offices worldwide, Carling Technologies Sales, Service and Engineering teams do much more than manufacture electrical components, they engineer powerful solutions! To learn more about Carling please visit www.carlingtech.com/company-profile.

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