V-Series CONTURA XIV SWITCHES

The V-Series Contura XIV snap-in rocker switches offer countless unique options including choices for ratings, circuits, colors, illuminations and legends. 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 may be purchased and stocked separately. An optional plug-in terminal connector enables pre-wiring of harnesses.

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



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



V-Series Switch

DESIGN FEATURES

INTERCHANGEABLE ACTUATORS

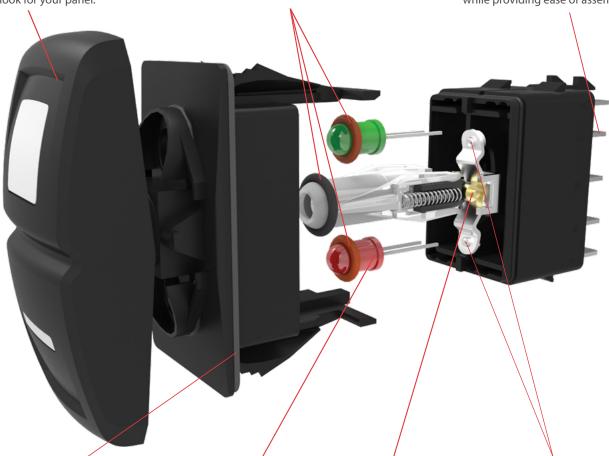
Panel redesign is a snap with our wide range of rocker styles. Achieve maximum design variety with minimum inventory. Simply swap rockers to create an entirely new look for your panel.

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 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 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 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 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 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 VI (WAVE)

The Contura VI WAVF 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 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.



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.



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

Electrical

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, 14VT 6A, 125VAC L 1500 Volts RMS

Dielectric Strength Insulation Resistance 50 Megohms Initial Contact Resistance 10 milliohms max. @ 4VDC

Life 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

150,000 cycles minimum Endurance

circuit dependent

Physical

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)

Internal Seals

Optional external gasket panel seal Base Polyester blend rated to 125°C with

a UL flammability rating of 94V0.

Hard Surface: Basic actuator Contura II, III, IV, V, VI. VII 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

Polycarbonate rated at 100°C Lens Contura XIV Polycarbonate lens/sub-rocker with

ABS shell

Actuator Travel (Angular Displacement)

2 position

3 positions 9° from center

Mounting Specifications

Panel Thickness Range Gaskets Acceptable Panel Thickness .030 to .250 (.76 to 6.35mm) 0 1 .030 to .109 & .147 to .157

(.76 to 2.77mm & 3.73 to 3.98mm)

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



.830[21.08]

Agency Certifications



Corrosion

Shock

Moisture Resistance

Environmental

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 Operating Temp.

Per Mil-Std 202F. Method 204D Vibration 1

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.

Mil STD 810, Method 510.2 Air Velocity Dust

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 Per Mil-Std 202F, Method 106F, Test

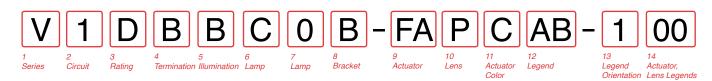
Criteria - pre and post test contact

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.



1 SERIES

Terminal Connections as viewed () - momentary from bottom of switch: SP - single pole - uses terminals 1, 2 & 3. 8 terminal 10 terminal DP - double pole uses terminals 1, 2, 3, 4, 5 & 6. 8 - - 7 1 - - 4 Terminals 7, 8, 9 & 10 for lamp circuit only. 1 - - 4 2 - - 5 2 - - 5 3 - - 6 3 - - 6 10 -- 9 Position: SP DP 1 A 2 B 3 C 4 D 5 F 6 J 7 K 2 Connected Terminals NONE 2 & 3, 5 & 6 ON 8 L SPECIAL CIRCUITS 2 & 3 H' 2 & 3, 5 & 4 2 & 3, 5 & 6 (2 & 3, 5 & 6) (2 & 3, 5 & 6) 2 & 3 2 & 3 2 & 3 G* M* R* E* S* 5 & 6 2 & 3, 5 & 6 *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 are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

3 RATING 3 .4VA @ 28VDC Resistive 15A 24V 20A 18V BCDEF 20A 12V 20A 14V, 10A 14VT (circuit 1, 4 , A & D only) 10A 14V, 6A 14VT (circuit G only)

4 TERMINATION / BASE STYLE						
8 Term 10 Term	Termination	Jumper				
1 2	.250 TAB (QC) no barriers	No				
А В	.250 TAB (QC) with barriers	No				
J K	.250 TAB (QC) no barriers Solder Lug no barriers	Yes T2 to 5				
3 4	Solder Lug no barriers	No				
C D	Solder Lua	No				
5 6	Wire Leads no barriers	No				
È È	Wire Leads	No				
Note: Codes J & K	I for circuits H, G & M. Do not us	e silicone based				

lubricants to reduce terminal insertion forces during connector assembly, as it is detrimental to function and performance.

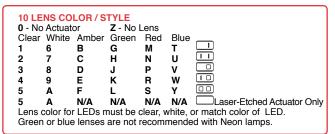
Lamp #1:above terminals 1 & 4 end of switch.; Lamp #2 above terminals 3 & 6 end of switch. Positive (+) and negative (-) symbols apply to LED

Lamp Illumination Type Lamp wired to Terminals A	lamp	os only		
B 1 DOWN 3 (+) 7 (-) C 2 UP 3 (+) 7 (-) D 1 DOWN 3 (+) 7 (-) E 1 DOWN 1 (+) 7 (-) E 1 UP 3 (+) 7 (-) F 1 INDEPENDENT 8 (+) 7 (-) G 1 INDEPENDENT 8 (+) 7 (-) H 2 UP 3 (+) 6 (-) G 1 INDEPENDENT 8 (+) 7 (-) J 1 DOWN 3 (+) 6 (-) SINGLE POLE SWITCHES ONLY J 1 DOWN 3 (+) 6 (-) K 1 INDEPENDENT 6 (+) 7 (-) E 1 INDEPENDENT 6 (+) 7 (-) SINDEPENDENT 6 (+) 7 (-) DOUBLE POLE SWITCHES ONLY L 1 DOWN 3 (+) 6 (-) N 1 UP 3 (+) 4 (-) DOWN 1 (+) 4 (-) P 1 UP 1 (+) 4 (-) UP 3 (+) 6 (-) UP 4 (-) UP 4 (-) UP 5 (-) UP 7 (-)		Lamps	Illumination Type	Lamp wired to Terminals
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SINGLE POLE SWITCHES ONLY J		2		
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NDEPENDENT 6 (+) 7 (-)		JLE FOLE SVI		3 (+) 8 (-)
K 1 INDEPENDENT (a) (b) (7 (-)) DOUBLE POLE SWITCHES ONLY 6 (+) 7 (-) L 1 DOWN (a) (b) (c) (c) (c) M 1 UP (a) (b) (b) (c) (c) (c) N 1 DOWN (a) (b) (c) (c) (c) (c) 2 DOWN (a) (b) (c) (c) (c) (c) (c) (c) (c) P 1 UP (a) (c) (c) (c) (c) (c) (c) (c) (c) U 1 INDEPENDENT (c)	·	ż		6 (+) 7 (-)
DOUBLE POLE SWITCHES ONLY L 1 DOWN 3 (+) 6 (-) M 1 UP 3 (+) 6 (-) N 1 DOWN 3 (+) 6 (-) 2 DOWN 1 (+) 4 (-) P 1 UP 1 (+) 4 (-) 2 UP 3 (+) 6 (-) U 1 INDEPENDENT 8 (+) 7 (-)	K	1		8 (+) 7 (–)
L 1 DOWN 3 (+) 6 (-) M 1 UP 3 (+) 6 (-) N 1 DOWN 3 (+) 6 (-) 2 DOWN 1 (+) 4 (-) P 1 UP 1 (+) 4 (-) UP 3 (+) 6 (-) UP 3 (+) 6 (-) UP 1 INDEPENDENT 8 (+) 7 (-)				6 (+) 7 (–)
M 1 UP 3 (+) 6 (-) N 1 DOWN 3 (+) 6 (-) 2 DOWN 1 (+) 4 (-) P 1 UP 1 (+) 4 (-) 2 UP 3 (+) 6 (-) U 1 INDEPENDENT 8 (+) 7 (-)	DOL	JBLE POLE S	WITCHES ONLY	2 (.) 6 ()
2 DOWN 1 (+) 4 (-) P 1 UP 1 (+) 4 (-) 2 UP 3 (+) 6 (-) U 1 INDEPENDENT 8 (+) 7 (-)	М	1		3 (+) 6 (-)
2 DOWN 1 (+) 4 (-) P 1 UP 1 (+) 4 (-) 2 UP 3 (+) 6 (-) U 1 INDEPENDENT 8 (+) 7 (-)		i		3 (+) 6 (-)
2 UP 3 (+) 6 (-) U 1 INDEPENDENT 8 (+) 7 (-)		2		
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Z	U	l o		
		۷	INDELLINDENI	10 (+) 3 (-)

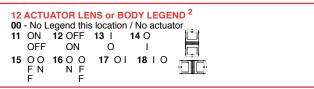
6 & 7 LAMP No lamp Neon Incandescent LED* 2VDC 6VDC 12VDC	0 1 125VAC 4 3V Red A B C	2 250VAC 5 6V Amber L M	6 12V superbright Green F G H	7 18V superbright Red R S T	8 24V
24VDC	Ď	P	J	v	
* Consult facto LED is 20ma.	ry for "dayligh	nt bright" LEI	O options. Typ	ical current o	draw for

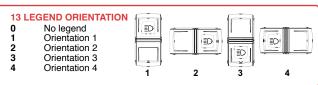
8 BRACKET COLOF	R & PANEL	SEAL
Color No Gasket	1 Gasket	2 Gasket
Black B	С	D
Gray G	Ĥ	J
White W	Ÿ	Ž

9 ACTUATOR STYLE n No Actuator - Furnished separately FΔ Contura XIV FB Contura XIV - Laser Etched









14 ACTUATOR / LENS LEGEND

No legend this location / no actuator (used with codes 11-18 in selection 12) Selection 14 required when switch requires two legends. If the two legends consist of one lens and one body legend, lens legend must be specified in selection 12; body legend specified in selection 14.

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

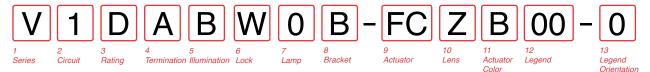
Consult factory to verify horsepower rating for your particular circuit choice.

Custom colors are available. Consult factory.

White imprinting is standard on black actuators; Black imprinting is

standard on white, red and gray actuators.

Additional ratings available. See V-Series Switch Accessories page.



1 SERIES

2 CIRCUIT Terminal Connections as viewed () - momentary from bottom of switch: SP - single pole - uses terminals 1, 2 & 3. DP - double pole uses terminals 1, 2, 3, 4, 5 & 6. 8 terminal 10 terminal 8 - - 7 8 - - 7 1 - - 4 Terminals 7, 8, 9 & 10 for lamp circuit only. 1 - - 4 2 - - 5 2 - - 5 3 - - 6 - 6 10 -2 Connected Terminals NONE **3** 1 & 2, 4 & 5 OFF Position: 2 & 3, 5 & 6 SP DP ON 1 Α В (ON) OFF NONE 4 D NO NONE ON 7 8 K ON OFF (ON) (ON) (ON) OFF Ν 9 OFF NONE

G* 2 & 3, 5 & 62 & 3 OFF OFF M, (2 & 3, 5 & 6) (2 & 3, 5 & 6) 2 & 3 R* 2 & 3 2 & 1 5 & 6 5 & 1 E* 5 & 3 2 & 3, 5 & 6 2 & 3 1 & 2

*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 are provided by customer. Circuit E may be used for SP OFF-ON-ON circuit.

2 & 3, 5 & 4

5 & 4

3 RATING ³ .4VA @ 28VDC Resistive В 15A 24V 20A 18V D 20A 12V

E 20A 14V, 10A 14VT (circuit 1, 4, A & D only) 10A 14V, 6A 14VT (circuit G only)

2 & 3

4 TERMINATION / BASE STYLE

SPECIAL CIRCUITS

8 Term 10 Term 2 Termination <u>Jumper</u> .250 TAB (QC) no barriers .250 TAB (QC) with barriers No Yes T2 to 5 .250 TAB (QC) no barriers

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

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

S C H	Lamps NONE 2 2	Illumination Type UP INDEPENDENT	Lamp wired to Terminals - 3 (+) 7 (-) 8 (+) 7 (-)
DOUE	BLE POLE SW	<i>ITCHES ONLY</i>	3 (+) 6 (–)
M	1	UP	

6 LOCK OPTION

Low Profile Lock

Consult factory to verify horsepower rating for your particular circuit choice.

1 Custom colors are available. Consult factory.

White imprinting is standard on black actuators; Black imprinting is standard on white, red and gray actuators.

Additional ratings available. See V-Series Switch Accessories page.

7 LAMP No lamp Neon	0 1 125VAC	2 250VAC		
Incandescent	4 3V	5 6V	6 12V	7 18V 8 24V
LED*			superbright	superbright
	Red	Amber	Green	Red
2VDC	Α	L	F	R
6VDC	В	M	G	S
12VDC	С	N	Н	T
24VDC	D	P	J	V
* Consult facto	ry for "dayligl	nt bright" LEI	D options. Typ	oical current draw for
LED is 20ma.	, , ,	-		

8 BRAC	KET COLOR	& PANEL	SEAL
Color	No Gasket	1 Gasket	2 Gasket
Black	В	С	D
Gray	G	Н	J
White	W	Υ	Z

9 ACTUATOR COLOR / STYLE

FC	Black - Standard Rocke
FD	Black - Laser Etched
FS	Red - Standard Rocker
FT	Red - Laser Etched



10 LENS COLOR / STYLE

Z - No Lens Clear White Amber Red Blue Green 6 В G 8 N/A N/A Laser-Etched Actuator Only

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 COLOR / FUNCTION 1

	LOCK IN POSITION						
Lock Color	UP DOWN UP & DOWN CENTER						
Match Actuator	Α	н	R	1			
Black	В	J	S	2			
White	С	K	T	3			
Red	D	L	V	4			
Orange	E	M	W	5			
Gray	F	G	N	6			

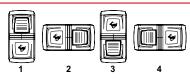
12 ACTUATOR LENS or BODY LEGEND 2

00 - No Legend					
21		Ž 2	23	24	
	OFF	ON	0	I	
25	O F F	26 O N	27 O	28	

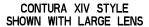


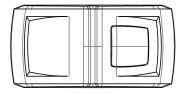
13 LEGEND ORIENTATION

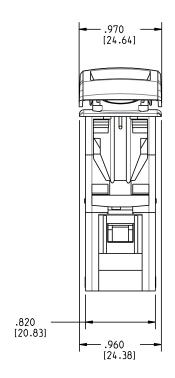
No legend O Orientation 1 Orientation 2 Orientation 3 Orientation 4

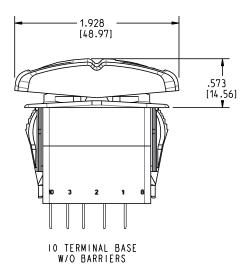


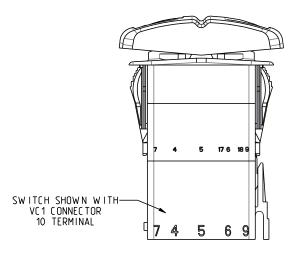
Dimensional Specifications: in. [mm]



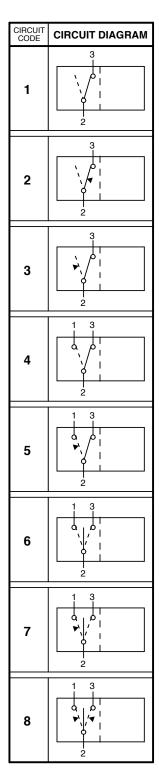


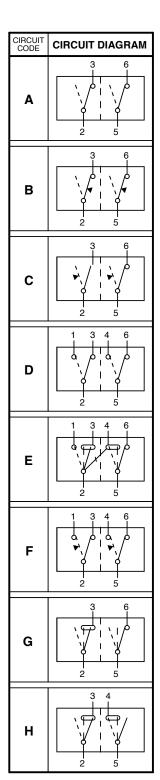


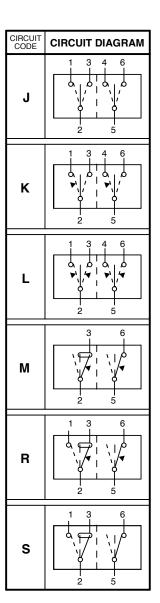




Circuit Diagrams:

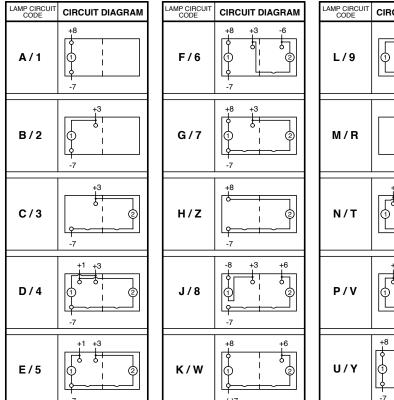






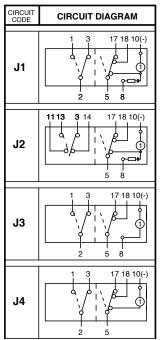
	SYMBOL LEGEND				
SYM.	DEFINITION				
0	DESIGNATES TERMINALS AND CONTACTS				
— •	DESIGNATES MAINTAINED CIRCUITS				
	DESIGNATES OTHER POSITION				
o -▼ o	O ▼ O DESIGNATES MOMENTARY CIRCUITS				
0	DESIGNATES TWO POSITION CONNECTION				
	DESIGNATES EXTERNAL JUMPER PROVIDED BY CUSTOMER				

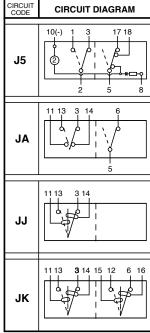
Lamp Circuit Diagrams:



CIRCUIT ODE	CIRCUIT DIAGRAM	LAMP CIRCUIT CODE	CIRCUIT DIAGRAM
/9		SPECIAL #1	+3 +6 1 0 0
/R	+3 -6	SPECIAL #3	-7
/Т	+1 +3 -4 -6	SPECIAL #4	-7
/ V	+1 +3 -4 -6		
/Y	+8 +10		

J-Series Hazard Warning Circuit Diagrams:





J circuits are available for all non-locking V-Series styles.

Consult factory for partnumber details.

SYMBOL LEGEND					
SYM.	DEFINITION				
0	DESIGNATES TERMINALS AND CONTACTS				
О	DESIGNATES LAMP LOCATION				

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 II, III, IV, V, VII Actuator only: VV with code A, C, E, G, P or Z for selection 9 & with selections 10-14 in the ordering schemes.

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:



1 CONTURA X & XI ACTUATOR SEPARATELY

2 ACTUATOR STYLE & COLOR								
Contura X Contura XI	Black 1 6	Gray 2 7	White 3 8	Red 4 9				

3	LENS OPENING FOR ¹
-	O b l

- One bar lens One bar lenses
- - One square lens two square lens
- square lens on top/ bar lens on bottom (Contura X only)

ACTUATOR LENS OR BODY LEGEND 00 - No Legend this location

- **12** OFF 11 ON 13 I OFF ON 0 0 O F N **16** O O N F 17 0 | 18 | 0
- For additional legend options & codes, visit us at www.carlingtech.com.

5 LEGEND ORIENTATION 1

- Ō No leaend Orientation 1 Orientation 2
- Orientation 3 Orientation 4
- ■D ĪD. ≣D **■**D 2 3 4

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



Contura X, XI & XII actuator lens assembly:

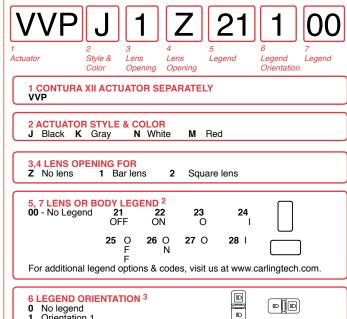


1 piece lens/bar lens are positioned the same as bottom lens for assembly minus the top lens. Lenses snap in from bottom.

Notes

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

Contura XII actuators without lenses separately:

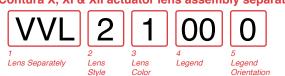


Contura X, XI & XII actuator lens assembly separately:

2

6 Blue 4

5 Red



CONTURA X, XI & XII LENS SEPARATELY VVL

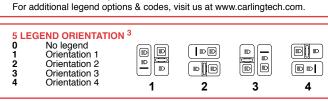
- 2 LENS STYLE 3 Bar lens One Piece Square lens
- **3 TRANSLUCENT LENS COLOR** Clear 2 White 3 Amber

Bottom of Two-Piece Square lens 5

1 Orientation 1 2 Orientation 2



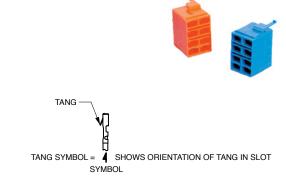
4 Green 4



Easily integrate Contura products into your system, with Contura Accessories

Contura Connectors

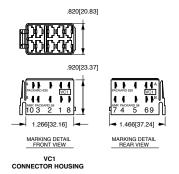
Q.C. SELECTION GUIDE								
	PART NO		W RA					
COMPANY SERIES	PLAIN BRASS	TIN PLATED BRASS	AWG	MM ² (REF)	ORIEN- TATION			
	02965580		12	3.0				
	02965471	12010601	(2)16-14	(2)1.0-2.0				
PACKARD 58 SERIES	02965470		16-14	1.0-2.0	В			
30 GET IIIEG	02965469	06288318	20-18	.58				
		12084590	10	5.0				
		12052224	12	3.0				
PACKARD		12015870	16-14	1.0-2.0				
METRI-PACK		12020035	(2)22-18	(2).58	Α			
630 SERIES	12015832	12015869	20-18	.58				
		12052222	20-22	.355				
	60253-1	3-1 60253-2	16-12	1.3-3				
AMP 250 SERIES	00253-1		(2) 16	(2) 1.3	В			
FASTIN-FASTON	42100-1	42100-2	18-14	.8-2	В			
	60295-1	60295-2	22-18	.39				

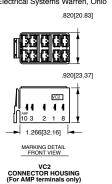


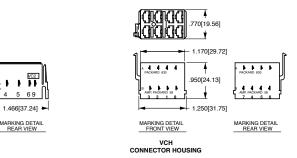
NOTE: Consult Delphi Packard and/or Amp on actual part numbers and availability.

AMP is a registered trademark of AMP Inc. Harrisburg, PA

Delphi Packard is a registered trademark of Delphi-Packard Electrical Systems Warren, Ohio



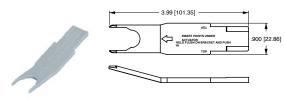




Contura X Boot (P/N VB1-01)



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



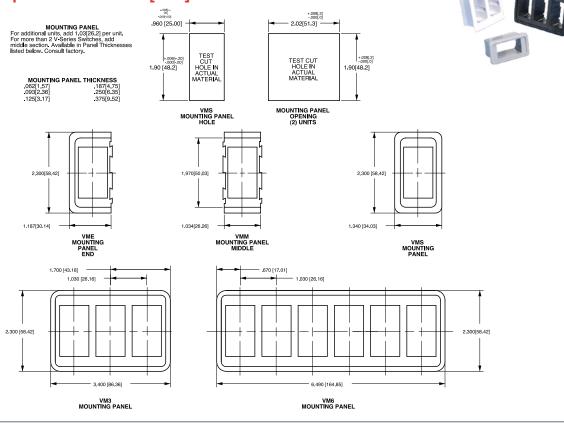
Additional V-Series Ratings

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

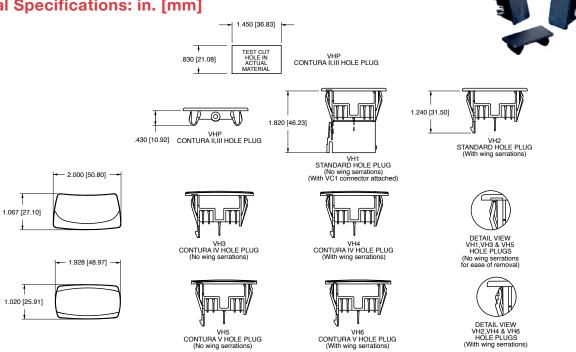
Consult factory to determine availability for individual circuits and their HP rating.

- Not available with Contura 7 or 14 rocker styles.
- 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.

To view all of Carling's environmental, quality, health & safety certifications please visit www.carlingtech.com/environmental-certifications

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555 JS-68 JS-6-B JS-91 JS-94 22-211.011 9001KXSDC KRR22NW3XX03 SAPT654133 2PA3 STKLBU STKLWH SW53AA2 302561

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