

V-Series Contura® XIV

Sealed Rocker Switches

PRODUCT WEBPAGE

request sample, configure part, watch video





Contura® IP66/68 Snap-In Mounted Switches

The V-Series switches are well known for their cutting edge design, high quality, maximum performance and unmatched reliability. These snap-in rocker switches offer countless options for ratings, circuits, colors, illuminations and symbols. These single or double pole switches feature removable actuators in a choice of actuator styles and colors, which may be purchased and stocked separately. An optional plug-in terminal connector enables pre-wiring of wire harness.

125-250 12-24 1-2 .4-20 Poles **Amps VDC**

Typical Applications

- · On/Off-Highway
- · Armoured Vehicles

Marine

- Mining Machinery
- · Any Application Requiring Sealing Protection







Design Features

INTERCHANGEABLE ACTUATORS

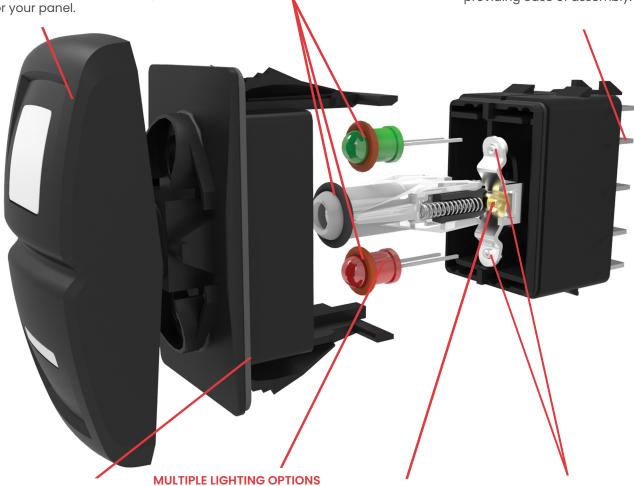
Panel redesign is a snap with our wide range of rocker styles. Achieve maximum design variety with minimum inventory. Simply swap rockers to create an entirely new look for your panel.

DUAL SEAL PROTECTION

Seals out water, dust, debris, and sealed to IP66/68 for above-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.

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, circuit and load dependent

Actuator Options & Accessories



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 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 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

Tech Specs

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			
Dielectric Strength	1500 Volts RMS			
Insulation Resistance	50 Megohms			
Initial Contact Resistance	10 milliohms max. @ 4VDC			
Life	Up to 100,000 cycles, circuit and load 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			

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)			
Seals	Internal Optional external gasket panel seal			
Base	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	9º from center

Environmental

Sealing	IP66/68, for above-panel components of actual switch only.
Corrosion	Mixed Flowing Gas (MFG) Class III 3 year accelerated exposure per ASTM B-827, B-845 Silver and gold contacts
Operating Temp	-40°C to +85°C
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 esistance.
Vibration 2	Resonance search24-50 Hz 0.40 DA50-2000 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.
Shock	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.
Dust	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.

Mounting Specifications

Panel Thickness Range

Gaskets Acceptable Panel Thickness 0 .030 to .250 (.76 to 6.35mm) 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]

TEST CUT HOLE IN ACTUAL MATERIAL

SWITCH MOUNTING HOLE

Ordering Scheme

Sample Part Number Selection

1. SERIES

V-Series

2. CIRCUIT

from bottom of switch: SP - single pole: terminals 1, 2 & 3.

8 terminal 10 terminal DP - double pole: terminals 1, 2, 3, 4, 5 & 6.

8 - - 7 8 - - 7 Terminals 7, 8, 9 & 10 for lamp circuit only. 8 - - 7 1 - - 4 1- -4 2 - - 5 2 - - 5 3 - - 6 3 - - 6 10-Position: SP DP 1 A 2 B 3 C 4 D 5 F 6 J K L SPECIA 2 & 3, 5 & 6 ON Connected Terminals NONE 1 & 2, 4 & 5 OFF NONE NONE ON ON OFF OFF OFF SPECIAL CIRCUITS 2 & 3 2 & 3, 5 & 4 2 & 3 2 & 3 2 & 3 2 & 3, 5 & 6 M* R* E* (2 & 3, 5 & 6) (2 & 3, 5 & 6) OFF 2 & 1 5 & 6 s* 2 & 3, 5 & 6 2 & 3 1&2

Terminal Connections as viewed () - momentary

*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 20A 12V 20A 14V, 10A 14VT (circuit 1, 4 , A & D only) 10A 14V, 6A 14VT (circuit G only) BCDEF

4. TERMINATION / BASE STYLE

8 Term 1 A J 3 C 5	10 Term 2 B K 4 D 6	Termination .250 TAB (QC) no barriers .250 TAB (QC) with barriers .250 TAB (QC) no barriers Solder Lug no barriers Solder Lug wire Leads no barriers	Jumper No No Yes T2 to 5 No No No
Ē	F	Wire Leads no barriers Wire Leads	No

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 of	niy	
	Lamps	Illumination Type	Lamp wired to Terminals
S	NONE		_ ·
Α	1	INDEPENDENT	8 (+) 7 (-)
R	i	DOWN	3 (+) 7 (-)
B C	2	UP	3 (+) 7 (-)
Ď	ĩ	DOWN	3 (+) 7 (-)
	2	DOWN	1,4,4,4,4,4
E	1	UP	¦} <u>`</u> {{ <u>4</u> }}¯{
E .	1		5/5/4/5/4
_	2	UP	3 (+) 7 (-)
F	Ţ	INDEPENDENT	8 (+) 7 (-) 3 (+) 6 (-)
	2	UP	3 (+) 6 (-)
G	1	INDEPENDENT	8 (+) 7 (-)
	2	UP	3 (+) 7 (-)
Н	2	INDEPENDENT	8 (+) 7 (-)
SINGLE PO	DLE SWITCHE	S ONLY	` , ` ,
J	1	DOWN	3 (+) 8 (-)
_	2	INDEPENDENT	6 (+) 7 (-)
к	ī	INDEPENDENT	8 (+) 7 (-)
' `	2	INDEPENDENT	6 (+) 7 (-)
DOLIDIE E	OLE SWITCH		0(1)/()
L	1	DOWN	3 (+) 6 (-)
_	!		3 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
М	ļ	UP	3 (+) 6 (-)
N	Ţ	DOWN	3 (+) 6 (-)
	2	DOWN	l (+) 4 (-)
P	1	UP	1 (+) 4 (-)
	2	UP	3 (+) 6 (-)
U	1	INDEPENDENT	8 (+) 7 (-)
	2	INDEPENDENT	10 (+) 9 (-)

6 & 7. LAMP

	No lamp Neon Incandescent 24V	0 1 125VAC 4 3V	2 250VAC 5 6V	6 12V	7 18V	8
	LED*			superbright		ht
	2VDC	Red A	Amber I	Green T	Red R	
	6VDC	В	M	Ġ	S	
	12VDC	С	N	Н	T	
۱	24VDC	D	P	J	V	
	* Consult factory draw for LED is 20	for "daylight	nt bright" LE	D options. Ty	pical curre	ent
-	araw for LED is 20	Jma.				

8. BRACKET COLOR & PANEL SEAL

Color Black Gray White	No Gasket B G W	l Gasket C H Y	2 Gasket D J Z		
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9. ACTUATOR STYLE

 No Actuator - Furnished separately Contura XIV Contura XIV - Laser Etched 	
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10. LENS COLOR / STYLE

	0 - No <i>i</i>	Actuato	r	Z - No	Lens		
ı	Clear	White	Amber	Green	Red	Blue	
ı	1	6	В	G	М	T	(Tin)
	2	7	С	Н	N	U	an
	3	8	D	J	P	٧	na .
	4	9	E	K	R	W	(TO
	5	Α	F	L	S	Υ	60
	5	Α	N/A	N/A	N/A	N/A	Laser-Etched Actuator
	Only Ler	s color	for LEDs i	nust be			, or match color of LED.
ı	Green o	r blue le	enses are	not rec	omme	ended	with Neon Jamps.

11. ACTUATOR COLOR 1

12. ACTUATOR LENS OR BODY LEGEND 2



12. ACTUATOR LENS OR BODY LEGEND

0 1 2 3	No legend Orientation 1 Orientation 2 Orientation 3	R		深	
4	Orientation 4	1	2	3	4

12. ACTUATOR LENS OR BODY 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.

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 and gray actuators.

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

🕅 Configure Complete Part Number 🔻 💮 🕸 Browse Standard Parts 🔀

Ordering Scheme

Sample Part Number 2 3 6 8 10 11

1. SERIES

Selection

V-Series

2. CIRCUIT

Terminal Connections as viewed () - momentary from bottom of switch: SP - single pole: terminals 1, 2 & 3.

8 terminal 10 terminal DP - double pole: terminals 1, 2, 3, 4, 5 & 6.
8 - - 7 8 - - 7 Terminals 7, 8, 9 & 10 for lamp circuit only. 8 - - 7 1 - - 4 2 - - 5 1- -4 2 - - 5 3 - - 6 3 - - 6 10 -- 9 Position: 2 & 3, 5 & 6 Connected Terminals 1 & 2, 4 & 5 SP DP NONE (ON) NONE OFF 4 D ON NONE ON 6 7 J K ON OFF ON ON OFF (ON) 8 (ON) OFF (ON) 9 NONE SPECIAL CIRCUITS 2 & 3 H* 2 & 3, 5 & 4 5 & 4 2 & 3, 5 & 6 (2 & 3, 5 & 6) G* 2 & 3 2 & 3 OFF М* OFF 2 & 3 (2 & 3, 5 & 6) 2 & 1 5 & 6 5 & 1 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 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	<u>10 Term</u>	<u>Termination</u>	<u>Jumper</u>	
1	2	.250 TAB (QC) no barriers	No ·
Α	В	.250 TAB (QC) with barriers	No
J	K	.250 TAB (QC) no barriers	Yes T2 to 5

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

appl	y to LED lai	mps only	
	Lamps	Illumination Type	Lamp wired to Terminals
S	NONE	- "	- '
С	2	UP	3 (+) 7 (-)
Н	2	INDEPENDENT	3 (+) 7 (-) 8 (+) 7 (-)
DOU	BLE POLE SI	NITCHES ONLY	
М	1	UP	3 (+) 6 (-)

5. LOCK OPTION

Low Profile Lock

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 and gray actuators.
- Additional ratings available. See V-Series Switch Accessories page.

7. LAMP

No lamp Neon	0 1 125VAC	2 250VAC	C 10) /	7107 0047
Incandescent LED*	4 3V	5 6V	6 12V	7 18V 8 24V superbright
LED.				
	Red	Amber	Green	Red
2VDC	Α	L	F	R
6VDC	В	М	G	S
12VDC	С	N	Н	T
24VDC	D	P	J	V
* Consult factory	for "dayligh	nt bright" LE	D options. Ty	pical current
draw for LED is 20	Oma.	•		•

8. BRACKET COLOR & PANEL SEAL

Color No Gasket 1 Gasker Black B C Gray G H White W Y	2 Gasket D J Z
-------------------------------------------------------	-------------------------

9. ACTUATOR COLOR / STYLE

10. LENS COLOR / STYLE

Z - No Clear 1 3 5	 Amber B D N/A	G	M P		Laser-Etched Only
	LEDs mu	st be cle	ear, wh	iite, or	match color of LED. ed with Neon lamps.

11. ACTUATOR LOCK COLOR / FUNCTION

		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	Ε	М	W	5	
Gray	F	G	N	6	
	F	G	N	6	

12. ACTUATOR LENS OR BODY LEGENDS 2

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

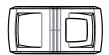
LECENID ODIENTATION

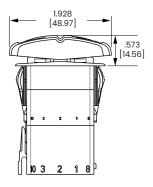
15.1	LEGEND OKIEN I	ATION	
0 1 2 3 4	No legend Orientation 1 Orientation 2 Orientation 3 Orientation 4		

Dimensional Specs

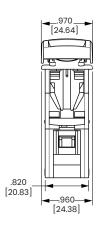
inches [millimeters]

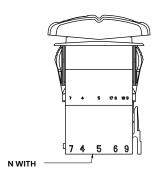
CONTURA XIV SHOWN WITH LARGE LENS





10 TERMINAL BASE W/O BARRIERS





Circuit Diagrams:

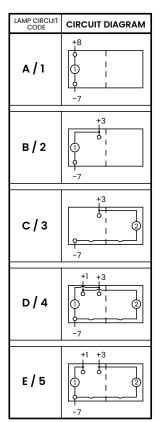
CIRCUIT CODE	CIRCUIT DIAGRAM
1	3
2	3
3	3
4	
5	
6	
7	
8	

CIDCLUIT	
CIRCUIT CODE	CIRCUIT DIAGRAM
A	3 6
В	3 6
С	3 6
D	1 3 4 6
E	3 4 6
F	2 5
G	3 6
н	3 4

CIRCUIT CODE	CIRCUIT DIAGRAM
J	13 4 6
К	1 3 4 6 0 0 0 0 1 1 2 0 0 2 5
L	2 5
М	3 6
R	2 5
s	1 3 6

SYMBOL LEGEND								
SYM.	DEFINITION							
0	DESIGNATES TERMINALS AND CONTACTS							
\bigcirc	DESIGNATES MAINTAINED CIRCUITS							
	DESIGNATES OTHER POSITION							
○▼ ○	DESIGNATES MOMENTARY CIRCUITS							
	DESIGNATES TWO POSITION CONNECTION							
	DESIGNATES EXTERNAL JUMPER PROVIDED BY CUSTOMER							

Lamp Circuit Diagrams:

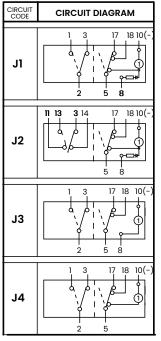


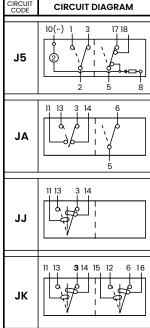
LAMP CIRCUIT CODE	CIRCUIT DIAGRAM
F/6	+8 +3 -6
G/7	+8 +3
H/Z	+8
J/8	-8 +3 +6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
κ/w	+8 +6

LAMP CIRCUIT CODE	CIRCUIT DIAGRAM
г/9	+3 -6
M/R	+3 -6
N/T	+1 +3 -4 -6
P/V	+1 +3 -4 -6
U/Y	+8 +10 0 0 0 0 0 0 0 0 0 0

LAMP CIRCUIT CODE	CIRCUIT DIAGRAM
SPECIAL #1	+3 +6
SPECIAL #3	+8 +6
SPECIAL #4	+8 +3 0 2 -7

J-Series Hazard Warning Circuit Diagrams:





NOTE:
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						
Ō	DESIGNATES LAMP LOCATION						

Stand-Alone Components

Reduce inventory levels and cost by stocking actuators and base switches separately.

Contura II, III, IV, V, VI, VII, X, XI, XIV, Base switches separately: specify V with code selections 2-8 in the ordering schemes.

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

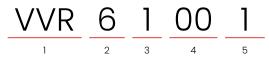
Contura VI Actuator with lenses and inserts only: VT with code selections 9-16

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

VVR

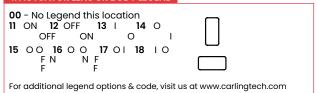
2. ACTUATOR STYLE & COLOR

	Black	Gray	White	Red
Contura X	1	2 ′	3	4
Contura XI	6	7	8	9

3. LENS OPENING FOR 1

1	One bar lens		
2	Two bar lenses	5 square lens on top/	
3	One square lens	þar lens on bottom	
4	Two sauare lens	(Contura X only)	

4. ACTUATOR LENS OR BODY LEGEND



5. LEGEND ORIENTATION 1

2 Or	legend lientation 1 lientation 2 lientation 3				
4 Or	ientation 4	1	2	3	4

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



VVT

2 COLOR

1 Clear 2 Smoke 3 White

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.

- If actuator lens opening for 2 bar or 2 square lenses, legend orientation 0,1, or 2 must be chosen.
- or z must be chosen. 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



1 CONTURA XII ACTUATOR SEPARATELY

VVP

2. ACTUATOR STYLE & COLOR

The state of the s		J	Black	K	Gray	N	White	М	Red				
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3,4 LENS OPENING FOR 1

7	No lens	1	Bar lens	2	Sauare lens	
	110 16112		Dui lei is		Saudie lei is	

5, 7 LENS OR BODY LEGEND 2



6 LEGEND ORIENTATION 3

)	No legend Orientation 1 Orientation 2			
	one nation 2	1	2	

Contura X, XI & XII actuator lens assembly separately



1 CONTURA X, XI & XII LENS SEPARATELY

2 LENS STYLE 3

- One Piece Square lens Bottom of Two-Piece Square lens ⁵

3 TRANSLUCENT LENS COLOR

1 Clear 2 White 3 Amber 4 Green 4 5 Red 6 Blue 4

4 LENS OR BODY LEGEND 2



5 LEGEND ORIENTATION 3

- No legend Orientation 1 Orientation 2 Orientation 3
- **■**D
- ID ID
- <u>_</u> 3
- 4

Accessories

Easily integrate Contura products into your system, with Contura Accessories

Contura Connectors

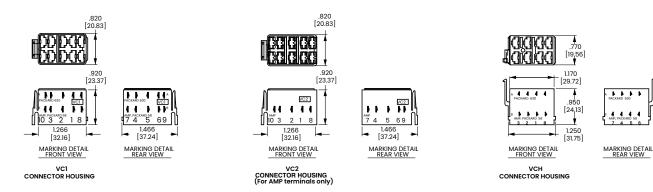
Q.C. SELECTION GUIDE								
	PART	NO	W RA					
COMPANY SERIES	PLAIN BRASS	TIN PLATED BRASS	AWG	MM ² (REF)	ORIEN- TATION			
	02965580		12	3.0				
	02965471	12010601	(2)16-14	(2)1.0-2.0	1			
PACKARD 58 SERIES	02965470		16-14	1.0-2.0	В			
30 SERIES	02965469	06288318	20-18	.58				
		12084590	105.0					
		12052224	123.0					
PACKARD		12015870	16-14	1.0-2.0	1			
METRI-PACK		12020035	(2)22-18	(2).58	Α			
630 SERIES	12015832	12015869	20-18	.58				
		12052222	20-22	.355				
	60253-1	60253-2	16-12	1.3-3				
AMP 250 SERIES	00255-1	00255-2	(2) 16	(2) 1.3				
FASTIN-FASTON	42100-1	42100-2	18-14	.8-2	В			
	60295-1	60295-2	22-18	.39				

TANG TANG SYMBOL = SHOWS ORIENTATION OF TANG IN SLOT SYMBOL

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

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

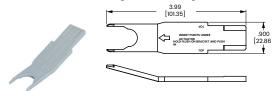
Delphi Packard is a registered trademark of Delphi-Packard Electrical Systems Warr



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
- В 15A 24V
- 20A 18V С
- 20A 12V
- 20A 14V, 10A 14VT (circuits 1, 4, A, & D only) 10A 14V, 6A, 14VT (circuit G only)
- G 20A 6V
- 15A 125 VAC, 10A 250VAC, 1/2 HP 125-250 VAC; 6A 125 VAC L
- .4VA/20A 12V (combi-contact)
- (combination gold/silver contacts for borderline dry circuit applications)
- .4VA/15A 24V (combi-contact)
 - (combination gold/silver contacts for borderline dry circuit

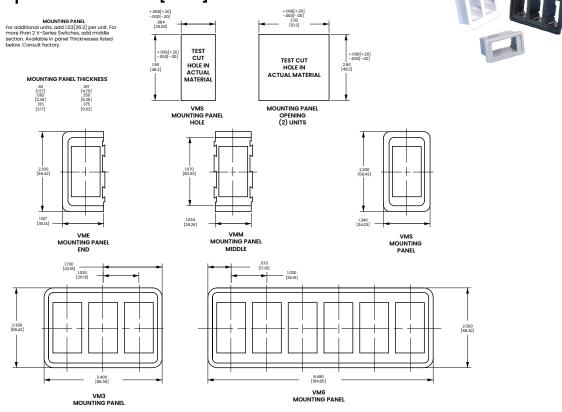
NOTES

Consult factory to determine availability for individual circuits and their HP rating. Not available with Contura 7 or 14 rocker styles.

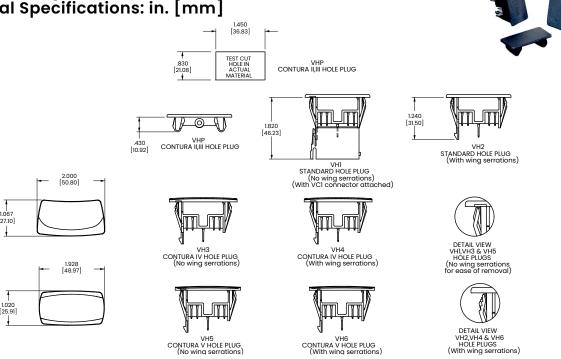
Rating L available with circuits 1, 4, A & D only.

Accessories

Contura Mounting Panels Dimensional Specifications: in. [mm]



Contura Hole Plug Dimensional Specifications: in. [mm]



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About Carling

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 six ISO9001 and IATF16949 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.