



V-Series Contura[®] IV, V & VII

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 VAC



Typical Applications

- On/Off-Highway
- Marine
- Armored Vehicles
- Industrial Automation
- Commercial Food
- Medical Equipment
- 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.

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, 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 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 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.



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

3.

Tech Specs

Electrical

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
50 Megohms
10 milliohms max. @ 4VDC
Up to 100,000 cycles, circuit and load dependent
Silver alloy, silver tin-oxide, fine silver
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

Environmental

IP66/68, for above-panel components of actual switch only.
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
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.
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.
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.
Per Mil-Std 202F, Method 101D, Test Condition A, 96 Hrs. Sealed version only.
Mil STD 810, Method 510.2 Air Velocity 300 Ft/Min Duration 16Hr
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
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

Actuator Travel (Angular Displacement)

2 position	18°	
3 positions	9° from center	

	-		
Panel Thic	kness F	Range	
Gaskets		otable Panel Thickness	ł
0	.030 to	o .250 (.76 to 6.35mm)	
1	.030 to	o .109 & .147 to .157	1.450 [36.83]
		2.77mm & 3.73 to 3.98mm)	[00.00]
Recomme	nded: N	lo gasket with panel thickness	Ļ
		.125,.187 or .250	<u> </u>

.830 [21.08]

TEST CUT HOLE IN ACTUAL MATERIAL

SWITCH MOUNTING HOLE



7

8

6

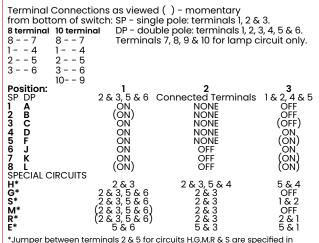
5



1. SERIES

V-Series v

2. CIRCUIT



2

3

4

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 4

1 BC DEF N	.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) .4VA/20A 12V .4VA/15A 24V
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4. TERMINATION / BASE STYLE

8 term	<u>10 Term</u>	Termination	Jumper				
1	2	250 TAB (QC) no barriers	No				
A	B	250 TAB (QC) with barriers	No				
J	K	250 TAB (QC) no barriers	Yes T2 to 5				
3	4	Solder Lug no barriers	No				
C	D	Solder Lug	No				
5	6	Wire Leads no barriers	No				
E	F	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 only							
<u>Sealed</u>	<u>Unsealed</u>	<u>Lamps</u>	Illumination Type	Lamp wired to Terminals			
S	ò	NONE		-			
A B	1	1	INDEPENDENT DOWN	8 (+) 7 (–) 3 (+) 7 (–)			
Č	2 3	2	UP	3 (+) 7 (-)			
D	4	ĩ	DOWN	3(+)7(-)			
-		2	DOWN	ī (+) 7 (-)			
E	5	1	UP	1(+),7(-)			
-	•	2 1	UP	3(+)7(-)			
F	6	2	INDEPENDENT UP	8 (+) 7 (-) 3 (+) 6 (-)			
G	7	1	INDEPENDENT	8 (+) 7 (-)			
Ŭ	,	2	UP	3 (+) 7 (-) 8 (+) 7 (-) 3 (+) 6 (-) 8 (+) 7 (-) 3 (+) 7 (-) 8 (+) 7 (-)			
н	z	2 2	INDEPENDENT				
U	Y	1	INDEPENDENT	8 (+) 7 (-)			
		2	INDEPENDENT	10 (+) 9 (-)			
SINGLE I	POLE SWITC 8		.Y DOWN	3 (+) 8 (-)			
J	0	2	INDEPENDENT	3 (+) 8 (-) 6 (+) 7 (-)			
к	w	ī	INDEPENDENT	8 (+) 7 (-)			
		2	INDEPENDENT	6 (+) 7 (-)			
	POLE SWIT	CHES ON		- () - ()			
L	9	1	DOWN	3 (+) 6 (-)			
M	R	1	UP DOWN	3 (+) 6 (-) 3 (+) 6 (-)			
IN	1	2	DOWN	1(+) A(-)			
Р	v	1	UP	12+542-5			
		2	UP	3 (+) 6 (-)			

6,7. LAMP (SAME CODING FOR BOTH SELECTIONS)								
Selection 6: above terminals 1 & 4; Selection 7: above terminals 3 & 6 No lamp 0								
Neon Incandescent		2 250VAC 5 6V	6 12V	7 18V	8 24V			
LED*	Red	Amber	superbrig Green	ht superbrig	ght			
2VDC	A	L	F	R				
6VDC 12VDC	B C	M N	G H	s T				
24VDC D P J V * Consult factory for "daylight bright" LED options. Typical current draw for LED is 20ma.								

11

12

13

Ĺ

3,6

14

8. FLUSH BRACKET COLOR, PANEL SEAL

Black White Gray B W G I C Y H

9. ACTUATOR

9

10

Contura IV, left orientation
 Contura IV, left orientation, laser etched
 Contura IV, right orientation
 Contura IV, right orientation, laser etched
 Actuator orientation over terminals:

10. LENS

0 - No Clear 1 2 3 4 5	Actuato White 6 7 8 9 A	rZ - No Amber B C D E F		Red M N P R S	Blue T U V W Y)))))))))))		
Lens c Green	olor for L or blue	EDs mu enses c	st be cl ire not i	ear, v econ	vhite, or nmende	mate d wit	ch coloi th Neon	r of LED. lamps	
11. AC	TUATO	OR COI	OR	1, 5, 6					
No Act	uator 0	B	lack	с	Gray	н	Red	s	

White γ Nickel D Pewter E

12.	ACTU	ATOR LI	ENS OI	R BODY LI	EGENDS 2
11	ON OFF	12 OFF ON		14 O I	\square
					N 1

15	00	16 O O	17 O I	18 O		
	FΝ	NF				
	F	F				
For additional legend options & codes, visit us at www.carlingtech.com						

13. LEGENDS ORIENTTATION

0	No legend (used) Orientation 1	with codes	11-18 in	selectior	n 12)	
2 3 4	Orientation 2 Orientation 3 Orientation 4	() 	© © 2	6 0 3	® ® 4	

13. ACTUATOR LENS LEGENDS

00 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:

- 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. Custom colors are available, consult factory. consult factory.
- 3
- Gloss brow is on left side of E actuator and right side of F actuator. Additional ratings available. See V-Series Switch Accessories page. Laser etched rocker only available with lens code Z & actuator colors 5
- Pewter and nickel colors only available with laser etched actuator 6

Ordering Scheme contura V

Ρ B Sample G ()) -К ()____ Part Number 5 2 3 4 6 7 8 10 9 11 12 13 14 Selection 1 1. SERIES 6,7. LAMP V-Series Selection 6: above terminals 1 & 4; Selection 7: above terminals 3 & 6 No lamp **0** Nolamp Neon 1125VAC Incandescent 43V LED* 2 250VAC 5 6V 6 12V **7** 18V superbright superbright Green Red Red Amber 2VDC Δ R 6VDC 12VDC B м Ġ ŝ С Ν н т 8 - - 7 24VDC D P J V * Consult factory for "daylight bright" LED options. Typical current draw for LED is 20ma. 2 - - 5 3 - - 6 10--9 8. FLUSH BRACKET COLOR, PANEL SEAL 1

	White G W G Y H	Black B C	No Seal One Seal
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8 24V

9. ACTUATOR

0 No Actuator

Ğ Contura V Contura V, laser etched

10. LENS

	Actuato White			Red		& location: #1 / #2	
1	6	В	G	М	т		
2	7	С	н	Ν	U		
3	8	D	J	Р	v	$\overline{\bullet}$	
4	9	E	К	R	w		
5	Α	F	L	S	Y	$\overline{\bullet}$	
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 COLOR 1, 3, 5

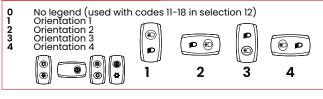
No Actuator White	0 Y	Black Nickel		Gray Pewter	H E	Red	S
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12. ACTUATOR LENS OR BODY LEGENDS 2,6

11 ON 12 OFF 13 I **14** O OFF ON 0 00 16 0 0 17 OI 18 I O 15 FΝ NF

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

12. LEGENDS ORIENTATION



13. 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.

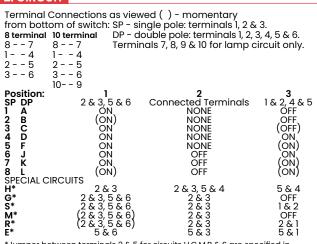
For legend options & codes, visit us at www.carlingtech.com

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. Custom colors are available, consult factory. Laser Etched rocker only available with lens code Z & actuator colors black, 3
- nickel or pewter.
- 4
- 56
- Additional ratings available. See V-Series Switch Accessories page. Nickel and Pewter colors only available with laser etched actuator. Consult factory for laser etched lens callout.

v

2. CIRCUIT



*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 4

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
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4. TERMINATION / BASE STYLE

8 term 10 Term 1 2 A B J K 3 4 C D 5 6 E F	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 Wire Leads	Jumper No Yes T2 to 5 No No No No
	rcuits H, G & M. Do not use silicone	

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

5. ILLUMINATION & SWITCH SEALING

Lamp termin	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	Unsealed	<u>Lamps</u>	Illumination Type	Lamp wired to Terminals				
S	0	NONE	– INDEPENDENT	-				
A B	2	1	DOWN	8 (+) 7 (–) 3 (+) 7 (–)				
č	2 3	2	UP	3(+)7(-)				
D	4	ĩ	DOWN	3(+)7(-)				
-	-	2	DOWN	ī (`+)´ 7 (`-)´				
E	5	1	UP	1 (+) 7 (-)				
_	-	2	UP	3 (+) 7 (-)				
F	6	1	INDEPENDENT	8 (+) 7 (-) 3 (+) 6 (-)				
G	7	2 1	UP INDEPENDENT	3 (+) 6 (-) 8 (+) 7 (-)				
9	,		UP	8 (+) 7 (-) 3 (+) 7 (-)				
н	z	2 2	INDEPENDENT	8 (+) 7 (-)				
Ü	Ÿ	ī	INDEPENDENT	$\tilde{8}(+)/(-)$				
		2	INDEPENDENT	10`(+) 9`(-)				
	POLE SW	TCHES O						
J	8	1	DOWN	3 (+) 8 (-)				
		2	INDEPENDENT	6 (+) 7 (-)				
к	W	1	INDEPENDENT INDEPENDENT	8 (+) 7 (-) 6 (+) 7 (-)				
	E POLE SW			0(1)/()				
L	9	1	DOWN	3 (+) 6 (-)				
M	Ř	i	UP	3 (+) 6 (-)				
N	Т	1	DOWN	3 (+) 6 (-)				
		2	DOWN	1 (+) 4 (-)				
Р	V	1	UP	1(+), 4(-),				
		2	UP	3 (+) 6 (-)				

Ordering Scheme Contura IV & V Locking

4

8

Sample S В F L . Part Number 7 2 3 5 6 9 11

1. SERIES

Selection

V V-Series

1

2. CIRCUIT 3

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 Terminals 7, 8, 9 & 10 for lamp circuit only. 1 - - 4 8 - - 7 1 - - 4 2 - - 5 2 - - 5 3 - - 6 3 - - 6 10--9 Position: 2 3 Connected Terminals 1&2,4&5 SP 1 4 6 7 2 & 3, 5 & 6 ON ON DP NONE A ÓFF ON ON ON (ON) OFF OFF ON (ON) к 89 Ĺ OFF (ON) NONE ÓN

3. RATING 4

- .4VA @ 28VDC Resistive 15A 24V 20A 18V 20A 12V
- в
- CDEF
- 20A 14V, 10A 14VT (circuit 1, 4, A & D only) 10A 14V, 6A 14VT (circuit G only) .4VA/20A 12V .4VA/26A 24V
- м N

4. TERMINATION / BASE STYLE

<u>8 term</u>	<u>10 Term</u>	Termination	Jumper
1	2	.250 TAB (OC) no barriers	No
Α	В	.250 TAB (QC) with barriers	No
J	К	.250 TAB (QC) no barriers	Yes T2 to 5
3	4	Solder Lug nó barriers	No
С	D	Solder Luğ	No
5	6	Wire Leads no barriers	No
E	F	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 gbove terminals 3 & 6 end of switch. Positive (+) and negative (-) symbols apply to LED lamps only **Sealed Unsealed Lamps Illumination Type Lamp wired to Terminals**

S	0	NONE	//~	
č	š	2	UP	3 (+) 7 (–)
н	z	2	INDEPENDENT	8 (+) 7 (-)
	POLE SWIT	CHES O		
м	R	1	UP	3 (+) 6 (-)

6. LOCK

LOCK (above terminals 1 & 4 end		
w	low profile lock	Y ⁶	high profile lock

Notes: Consult factory to verify horsepower rating for your particular Notes: Consult factory to verify horsepower rating for your particular circuit choice.
1 Custom colors are available. Consult factory.
2 White imprinting is standard on black actuators; Black imprinting is standard on white, red and gray actuators. Custom colors are available, consult factory.
3 Only available with 3 position circuits. Center OFF and special circuits only available with center position lock function.
4 Additional ratings available. See V-Series Switch Accessories page.
5 Located at T3-6 end of switch.
6 Contura V style only.

🛿 Configure Complete Part Number > 👘 🖗 Browse Standard Parts >

7. LAMP

Lamp above ter No lamp	0		tch		
Neon '	1 125VAC	2 250VAC			
Incandescent	4 3V	5 6V	6 12V	7 18V	8 24V
LED*			superbright	superbria	ht
	Red	Amber	Green	Red	
2VDC	A	L	F	R	
6VDC	B	M	Ġ	S	
12VDC	ē	N	Ĥ	Ť	
24VDC	Ď	P	i i	v	
* Consult factor draw for LED is 2	ry for "daylig	ht bright" L	D options. T	ypical curr	ent
draw for LED is 2	20ma. ' ~			<i>,</i> ,	

8. FLUSH BRACKET COLOR, PANEL SEAL

|--|

9. HARD SURFACE ACTUATOR

10

CONTURA IV: Orientation Left Right	Black J N	Gray K P	Red L R	White M S		
			Actuato	r orientation over terminals:	3,6	1,4
CONTURA V:	Black U	Gray V	Red W	White Y		
			Actuator	orientation over terminals:	3,6	1,4

10. LENS 5

Z - No Clear	Lens White	Ambe	r Green	Red	Blu	e
	в		D			bar lens
G	н	J	К	L	М	oval lens
-		-		-		

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

Lock Color Match Actuator Black White Red Safety Orange Gray	Up A B C D E F	Down H J K L M G	Up & Down R S T V W N	Center ³ 1 2 3 4 5 6	
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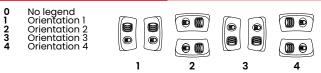
12. ACTUATOR LENS OR BODY LEGENDS 2

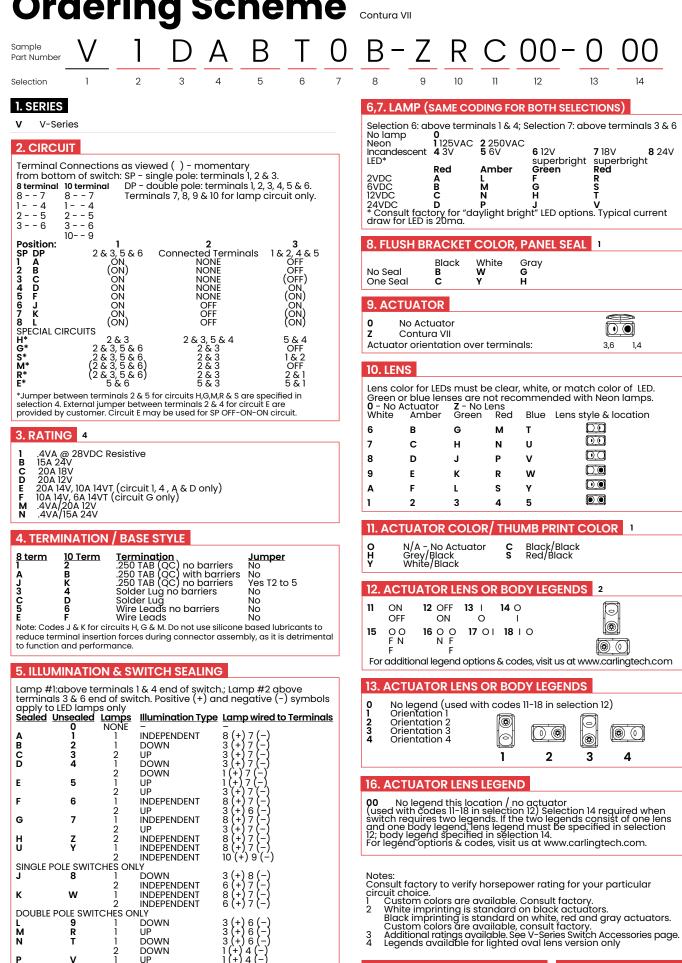
00 21		Legend 22	23		24	
	OFF	ON		0		I
25	O F	26 O N	27	0	28	I

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

13. LEGENDS ORIENTTATION





🛿 Configure Complete Part Number > 🛛 🖉 Browse Standard Parts >

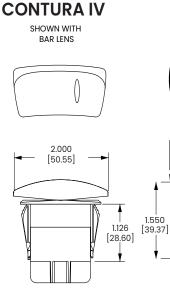
2

UP

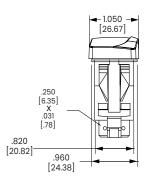
6 (-3(+)

Dimensional Specs

inches [millimeters]



10 TERMINAL BASE W/BARRIERS

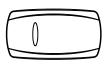


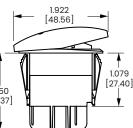
10 TERMINAL BASE W/O BARRIERS



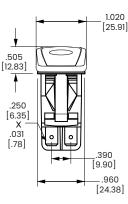
CONTURA V SHOWN WITH

BAR LENS

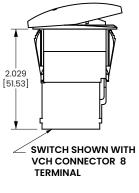




8 TERMINAL BASE W/BARRIERS



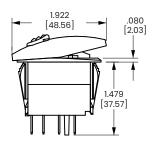
8 TERMINAL BASE W/BARRIERS



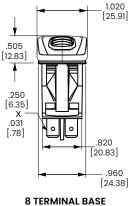
SHOWN WITH LOW PROFILE LOCK

CONTURA V





8 TERMINAL BASE W/O BARRIERS



W/O BARRIERS

8

1

2

3

10

4

5

6

9

BOTTOM VIEW

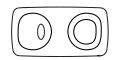
TERMINAL

ARRANGEMENT

10 TERMINAL BASE

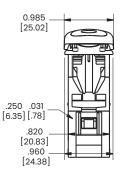
CONTURA VII

SHOWN WITH LARGE LENS AND BAR LENS





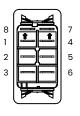
10 TERMINAL BASE W/O BARRIERS



10 TERMINAL BASE W/O BARRIERS

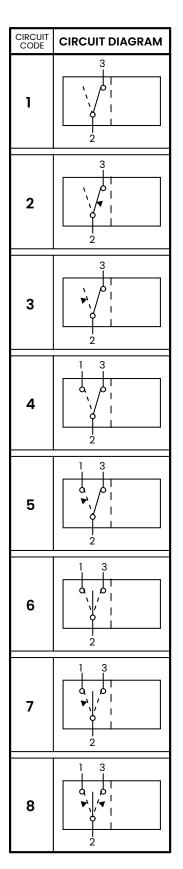


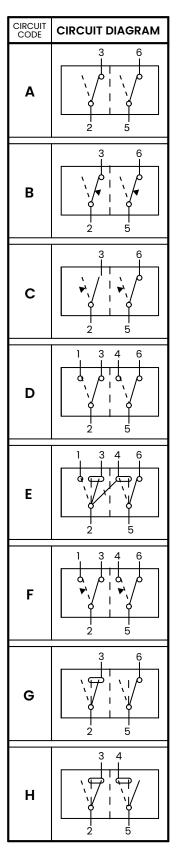
SWITCH SHOWN WITH VC1 CONNECTOR 10 TERMINAL

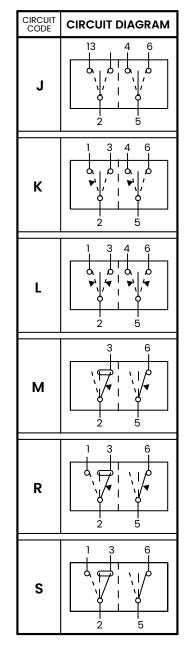


BOTTOM VIEW TERMINAL ARRANGEMENT 8 TERMINAL BASE

Circuit Diagrams:

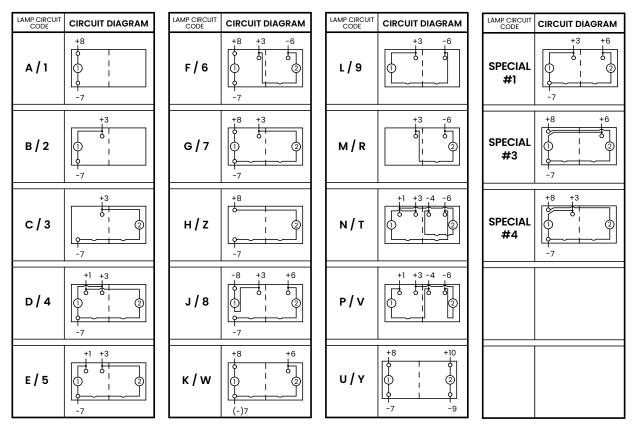




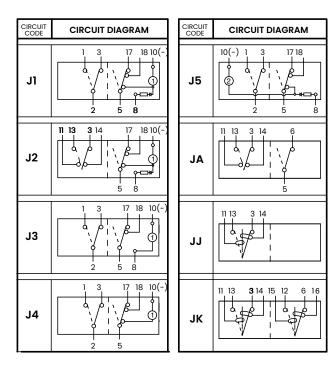


	SYMBOL LEGEND					
SYM.	DEFINITION					
0	DESIGNATES TERMINALS AND CONTACTS					
° — 0	DESIGNATES MAINTAINED CIRCUITS					
	DESIGNATES OTHER POSITION					
₀0	DESIGNATES MOMENTARY CIRCUITS					
0	DESIGNATES TWO POSITION CONNECTION					
	DESIGNATES EXTERNAL JUMPER PROVIDED BY CUSTOMER					

Lamp Circuit Diagrams:



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 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	Contura XII actuators without lenses separately
VVR 6 1 00 1	VVP J 1 Z 21 1 00
1 2 3 4 5	1 2 3 4 5 6 7
1. CONTURA X & XI ACTUATOR SEPARATELY	1 CONTURA XII ACTUATOR SEPARATELY
VVR	VVP
2. ACTUATOR STYLE & COLOR	2. ACTUATOR STYLE & COLOR
Black Gray White Red Contura X 1 2 3 4 Contura XI 6 7 8 9	J Black K Gray N White M Red
Contura XI 6 7 8 9	3,4 LENS OPENING FOR 1
3. LENS OPENING FOR 1	Z No lens 1 Bar lens 2 Square lens
1 One bar lens 2 Two bar lenses 5 square lens on top/	5, 7 LENS OR BODY LEGEND 2
3One square lensbar lens on bottom4Two square lens(Contura X only)	00 - No Legend 21 22 23 24
4. ACTUATOR LENS OR BODY LEGEND	OFF ON O I 25 0 26 0 27 0 28 I
00 - No Legend this location	25 0 26 0 27 0 28 I
11 ON 12 OFF 13 I 14 O OFF ON O I	For additional legend options & codes, visit us at www.carlingtech.com
15 00 16 00 17 01 18 10 FN NF	6 LEGEND ORIENTATION 3
F F 🖵	0 No legend
For additional legend options & code, visit us at www.carlingtech.com	2 Orientation 2
5. LEGEND ORIENTATION 1	
0 No legend 1 Orientation 1 2 Orientation 2 □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Contura X, XI & XII actuator lens assembly separately
2 Orientation 2 Image: Constraints <	VVL 2 1 00 0
Contura X, XI & XII top piece of 2-piece lens separately	1 2 3 4 5
	1 CONTURA X, XI & XII LENS SEPARATELY
	VVL
1 2	2 LENS STYLE 3
1 TOP OF LENS SEPARATELY	1 Bar lens 2 One Piece Square lens
VVT	3 Bottom of Two-Piece Square lens ⁵
2 COLOR	3 TRANSLUCENT LENS COLOR
1 Clear 2 Smoke 3 White	1 Clear 2 White 3 Amber 4 Green ⁴ 5 Red 6 Blue ⁴
	4 LENS OR BODY LEGEND 2
Contura X, XI & XII actuator lens assembly:	00 - No Legend 21 22 23 24 OFF ON O I
	25 0 26 0 27 0 28 1
actuator stem top lens 👌 two piece	F N F
posts mount toward actuator stem 💦 💶 bottom lens 🖌 lens assembly	For additional legend options & codes, visit us at www.carlingtech.com.
l piece lens/bar lens are positioned the same as bottom lens for assembly, minus the top lens. Lenses snap in from bottom.	5 LEGEND ORIENTATION 3
Notes: 1 If actuator lens opening for 2 bar or 2 square lenses, legend orientation 0,1,	0 No legend 1 Orientation 1 2 Orientation 2 1 Difference between the second seco
or 2 must be chosen. 2 Center of actuator marking not available for Contura XII.	3 Orientation 3 1 2 3 4
3 Legend is not available for bar style lens. Not recommended with neon lamps. Must also order top piece of 2 piece square lens separately.	

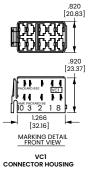
Accessories

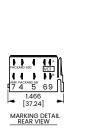
Easily integrate Contura products into your system, with Contura Accessories

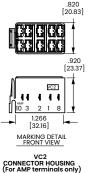
Contura Connectors

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			
PACKARD 58 SERIES	02965470		16-14	1.0-2.0	в		
SO SERIES	02965469	06288318	20-18	.58			
		12084590	105.0				
		12052224	123.0				
PACKARD		12015870	16-14	1.0-2.0			
METRI-PACK		12020035	(2)22-18	(2).58	А		
630 SERIES	12015832	12015869	20-18	.58			
		12052222	20-22	.355			
	60253-1	60253-2	16-12	1.3-3			
AMP 250 SERIES	00203-1	00203-2	(2) 16	(2) 1.3			
FASTIN-FASTON	42100-1	42100-2	18-14	.8-2	В		
	60295-1	60295-2	22-18	.39			

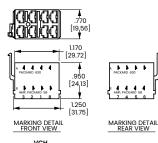
NOTE: Consult Delphi Packard and/or Amp on actual part numbers and availability. AMP is a registered trademark of AMP Inc. Harrisburg, PA Delphi Packard is a registered trademark of Delphi-Packard Electrical Systems Warr







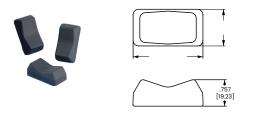




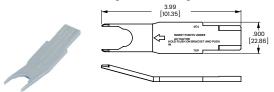
SHOWS ORIENTATION OF TANG IN SLOT

VCH CONNECTOR HOUSING

Contura X Boot (P/N VB1-01)



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



Additional V-Series Ratings

TANG

TANG SYMBOL =

4 SYMBOL

- .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 51
- В 15A 24V 20A 18V С

1 4

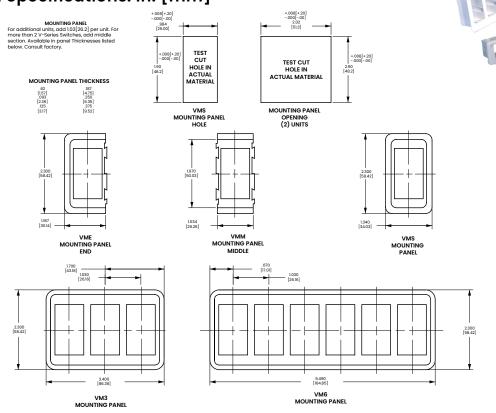
- 20A 12V
- D Е
- 20A 12V 20A 14V, 10A 14VT (circuits 1, 4, A, & D only) 10A 14V, 6A, 14VT (circuit G only) F
- G 20A 6V
 - 20A 3V
- H L² 15A 125 VAC, 10A 250VAC, 1/2 HP 125-250 VAC; 6A 125 VAC L .4VA/20A 12V (combi-contact) М
 - (combination gold/silver contacts for borderline dry circuit applications)
- Ν .4VA/15A 24V (combi-contact) (combination gold/silver contacts for borderline dry circuit applications)

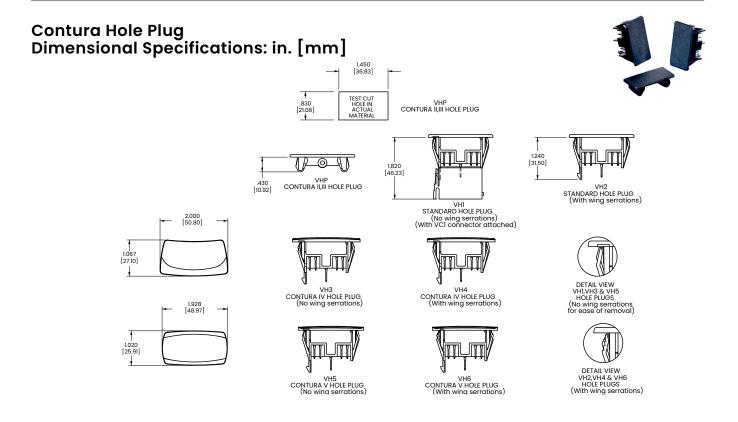
NOTES

- Consult factory to determine availability for individual circuits and their HP rating.
- Not available with Contura 7 or 14 rocker styles. 1.
- 2. Rating L available with circuits 1, 4, A & D only.

Accessories

Contura Mounting Panels 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 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.

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