

CONTURA® VI

Sealed Rocker Switches

Carling Technologies' new Contura VI sealed rocker switches offer the perfect complement to the already popular Contura line of sealed V-Series rocker switches. Used in a row, they create a uniquely appealing design on your panel.

The Contura product offers endless possibilities for your product development, always offering creative, dynamic, yet economical, alternatives in dash panel design. V-Series switches offer countless unique options including choices for ratings, circuitry, colors, illumination and legends. All switches feature removable actuators in a choice of actuator styles and colors, are available in single or double pole configurations, and can be illuminated with various shaped lenses.

Whatever your application, our Contura switches deliver the performance you demand – and the flexibility you need. With the Contura line of switches, panel design can be altered simply by snapping on a new style actuator with no need to retest or inventory new switches. There's no challenge these sealed switches can't help you address.

Key Features/Benefits of the Contura line:

- Maximum Design Options with minimum inventories: Panel redesign is a snap, requiring no tooling change, with our removable interchangeable actuators, lenses & inserts. In addition, the Contura line of switches offers a variety of over 300 standard legends.
- Seals out water, dust and debris: Dual seal protection locks out elements. Certified to IP66/IP68
- Optional Panel Seal: Helps prevent water/dust egress behind the panel.
- Multiple Lighting Options: Incandescent lamps & LED illumination, offered in a wide array of light intensities, colors, as well as dual level illumination and flashing options.
- Withstands Extreme Temperatures: Roller pin mechanism eliminates need for lubricants, so it can withstand from -40C to +85C.
- Clean Connections: Offered in both eight and ten terminal base options. AMP & Packard compatible connectors available.
- UL, CSA, VDE, CE and UL1500 Ignition Protected Marine approvals are available.

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Carling Technologies™

Innovative Designs. Powerful Solutions.

V 1 D B G N T B - H A 7 C B A C - 1 00

1 Series 2 Circuit 3 Rating 4 Termination 5 Illumination 6 Lamp 7 Lamp 8 Bracket 9 Actuator 10 Lens 11 Lens 12 Color 13 Insert Color 14 Actuator Lens 15 Legend Orientation 16 Actuator Lens Legend

1 SERIES
V

2 CIRCUIT
Terminal Connections as viewed from bottom of switch:
8 terminal 10 terminal
8 - 7 8 - 7
1 - 4 1 - 4
2 - 5 2 - 5
3 - 6 3 - 6
10 - 9

() - momentary
SP - single pole - uses terminals 1, 2 & 3.
DP - double pole uses terminals 1, 2, 3, 4, 5 & 6.
Terminals 7, 8, 9 & 10 for lamp circuit only.

Position:	1	2	3
SP	DP	2 & 3, 5 & 6	Connected Terminals 1 & 2, 4 & 5
1	A	ON	NONE OFF
2	B	(ON)	NONE OFF
3	C	ON	NONE (OFF)
4	D	ON	NONE ON
5	F	ON	NONE (ON)
6	J	ON	OFF ON
7	K	ON	OFF (ON)
8	L	(ON)	OFF (ON)

SPECIAL CIRCUITS

	2 & 3	2 & 3, 5 & 4	5 & 4
H*	2 & 3	2 & 3	OFF
G*	2 & 3, 5 & 6	2 & 3	OFF
S	2 & 3, 5 & 6	2 & 3	1 & 2
M*	(2 & 3, 5 & 6)	2 & 3	OFF
R*	(2 & 3, 5 & 6)	2 & 3	1 & 2
E*	5 & 6	5 & 3	5 & 1

*Jumper between terminals 2 & 5 for circuits H, G, & M 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. Circuits H, M & E not available with ratings 5 - 9.

3 RATING³

1	.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 6 only)
M	.4VA/20A 12V
N	.4VA/15A 24V

4 TERMINATION/BASE STYLE

8 term	10 term	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

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	Unsealed	Lamps	Actuator Lens position when illuminated	Lamp wired to Terminals
S	0	None		
A	1	# 1	Independent	8+ 7-
B	2	# 1	Down	3+ 7-
C	3	# 2	Up	3+ 7-
D	4	# 1	Down	3+ 7-
E	5	& # 2	Down	1+ 7-
F	6	# 1	Up	1+ 7-
G	7	& # 2	Up	3+ 7-
H	Z	# 1	Independent	8+ 7-
U	Y	# 2	Independent	8+ 7-
		& # 2	Independent	10+ 7-
Selections for Single Pole Switches Only:				
J	8	# 1	Down	3+ 8-
K	W	& # 2	Independent	6+ 7-
		# 1	Independent	8+ 7-
		& # 2	Independent	6+ 7-
Selections for Double Pole Switches Only:				
L	9	# 1	Down	3+ 6-
M	R	# 2	Up	3+ 6-
N	T	# 1	Down	3+ 6-
P	V	& # 2	Down	1+ 4-
		# 1	Up	1+ 4-
		& # 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	1	125VAC	2	250VAC	
Incandescent	4	3V	5	6V	6 12V 7 18V 8 24V
LED*					superbright superbright
		Red	Amber		Green Red
2VDC	A	L	F	R	
6VDC	B	M	G	S	
12VDC	C	N	H	T	
24VDC	D	P	J	V	

* Consult factory for "daylight bright" LED options. Typical current draw for LED is 20ma.

8 FLUSH BRACKET COLOR¹, PANEL SEAL

No Seal	Black	White	Gray
One Seal	B	W	H

9 ACTUATOR

0 No Actuator H High Insert L Low Insert



10 & 11 LENS⁴
Lens color for LEDs must be clear, white, or match color of LED. Green or blue lenses are not recommended with Neon lamps.

0 - No Actuator	Z - No Lens					
Clear	White	Amber	Green	Red	Blue	
-	7	C	H	N	U	Bar Lens Translucent
3	-	D	J	P	V	Bar Lens Transparent
4	-	E	K	R	W	Oval Lens Translucent
-	A	F	L	S	Y	Oval Lens Transparent

12 ACTUATOR COLOR
C Black H Gray S Red Y White

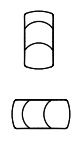
13 INSERT COLOR

B	Black	N	Bright Nickel Plated
C	Bright Chrome Plated	S	Satin Chrome Plate
D	Satin Chrome Plated	T	Satin Nickel Plated
		W	White

14 ACTUATOR LENS OR BODY LEGENDS²

00 - No Legend this location/No actuator
11 ON 12 OFF 13 I 14 O
OFF ON O I

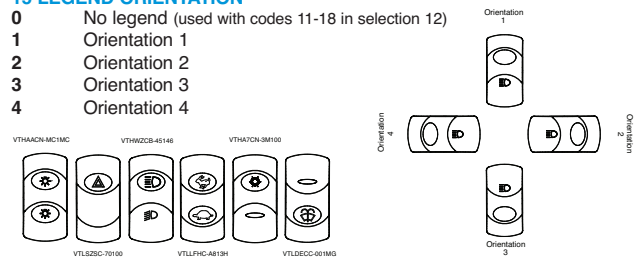
15 O O 16 O O 17 O I 18 I O
F N F N F F



For additional legend options & codes, see pages 54-65 of this catalog.

15 LEGEND ORIENTATION

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



16 ACTUATOR LENS LEGEND²

00 No legend this location / no actuator
(used with codes 11-18 in selection 12) Selection 16 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 14; body legend specified in selection 16.
For legend options & codes, see pages 54-65 of this catalog

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 Additional ratings available. See page 21.