





Contura Rotary Switches

PRODUCT WEBPAGE

request sample, configure part, watch video





The V-Series Contura Rotary Switch was designed for maximum performance and reliability leveraging the features of the widely popular V-Series Contura Rocker Switches. Available in maintained and momentary circuit options, the V-Series Rotary features a sturdy knob construction, up to three separate LEDs, and fits in an industry standard panel opening.



Amps

• Speed Control

.4-20 12-28 IP67 Sealing VDC Above-Panel

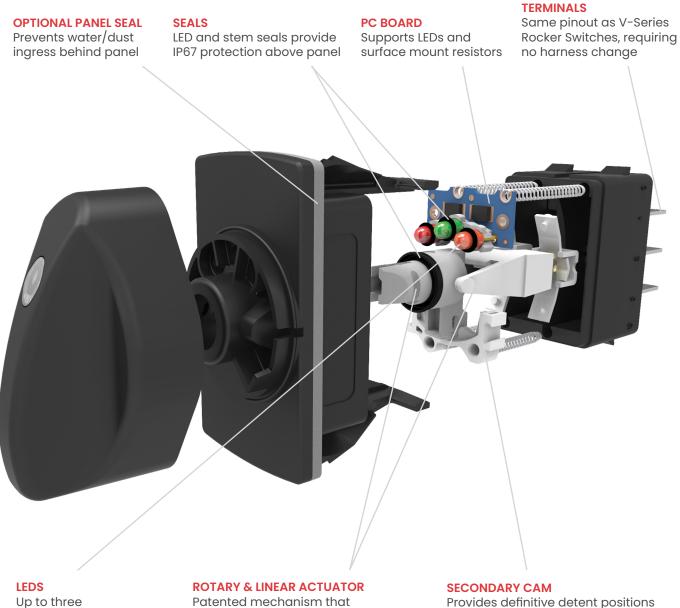
Typical Applications

- On/Off-Highway Equipment
- Marine

- Test & Measurement
- Instrumentation
- www.carlingtech.com 860.793.9281 sales@carlingtech.com

0

Design Features



Up to three separate LEDs

Patented mechanism that translates rotary to linear motion with ball & spring located in rotary actuator

Tech Specs

Electrical

Rating

Circuit		Voltage	Max Current Resistive
2 Position Maintain	12 20		20
2 Position Momentary		12	20
3 Position All		12	20
2 Position Maintain		24	15
2 Position Momentary		24	15
3 Position All		24	15
Dielectric Strength	1500 Volts RMS		
Insulation Resistance	50 Megohms		
Initial Contact Resistance	10 Milli Ohm max @ 4VDC		
Life	50,000 Cycles Two Position 25,000 Cycles Two Position Momentary and All Three position		
Terminals	0.250" (6.3mm) Quick Connect		

Physical

Function Circuits	Double Pole Single Throw, DPST Double Pole Double Throw, DPDT
Operation	Two and Three Position Maintained and Momentary
Knob Rotation	Two Position 60 Degrees Three Position 30 Degrees from Center
Illumination	LED; Red, Green, Amber, Yellow, White, Blue
Seals	LED O-ring(s) – Silicone, Bezel gasket – Neoprene, Knob seal - NBR
Flammability	Exceeds FVMSS 302 Requirements, Exterior Components, UL 94 V-2 or Better Interior Components, UL 94 HB or Better
Base	Polyester, PBT
Bracket	Nylon 66, PA
Knob	Polybutylene Terephthalate, PBT 6.5%GF
Lens	Polycarbonate, PC
Connector	Nylon 66, PA
Mounting	Front Panel Snap In, 1.450" (36.83mm) X 0.830" (21.08mm) Panel Thickness, 0.030" – 0.187" (0.76 – 4.75mm)

Environmental

Sealing	IP67, for above-panel components of actual switch only.
Dust	Mil STD 810, Method 510.2 Air Velocity 300 Ft/Min Duration 16Hr
Corrosion	IEC 68-2-60 Mixed Flowing Gas (MFG) 14 Days
Chemical Splash	Gasoline, Diesel, Motor Oil, Brake Fluid, Ammonia, Armour All
Salt Spray	Mil STD 202G, Method 101, Test Condition A 96 Hr
Vibration Random	Mil STD 202G, Method 214 test Condition C 10G's RMS
Vibration Sinusoidal	Mil STD 202G, Method 204D, Test Condition A 0.06DA or 10G's 10- 500Hz
Shock	MIL-STD 202G, Method 213B Test Condition K, 30G's
Handling Shock	1 Meter Drop onto Hard Surface
Thermal Shock	MIL-STD 202G, Method 107G Test Condition A -55 C to 85 C
Moisture Resistance	MIL-STD 202G, Method 106F 10, 25 C to 65 C Cycles 95% RH
Thermal Cycling	25 Cycles -40 C to 85 C
Ignition Protection	ISO 8846 with EC Directive 94/25/ EC for Marine Products
UV Protection	300 hr Xenon Arc, 1.4W/m2 wavelength 420 nm
ESD	Human Static Discharge, +/- 15KV applied during normal operation Shipping/Handling, frequency range 200-2000 MHz applied voltage is +8KV to +15KV and -8KV to -15KV 3 discharge cycles

Mechanical

Knob Impact	50 Gram weight dropped from a
	height of 18 inches on Top & Sides

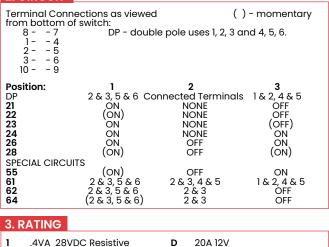
Ordering Scheme



1. SERIES

RV **Rotary Contura**

2. CIRCUIT



Sealed S	Lamps NONE	when illuminated	Terminals
Α	#1	Independent	8+ 7-
В	#1	Dependent	3+ 7-
С	#1	Independent	8+ 7-
		Independent	10+ 7-
D	#1	Depėndent	3+ 7-
		Dependent	1+ 7-
E	#1	Independent	8+ 7-
	# 2	Independent	9+ 7-
	#3	Independent	10+ 7-
F	#1	Dependent	3+ 7-
	# 2	Independent	9+ 7-
	#3	Dependent	1+ 7-
G	#1	Dependent	3+ 7-
	#3	Independent	8+ 7- 8+ 7-
н	# 2	Independent	8+ 7-
J	#1	Independent	8+ 7-
	#2	Independent	10+ 7-
ĸ	#1	Dependent	3+ 7-
_	#2	Dependent	1+ 7-
L	#1	Dependent	3+ 7-
	#2	Independent	8+ 7-
М	#2	Independent	8+ 7-
	#3	Independent	10+ 7-
N	#2	Dependent	3+ 7-
	#3	Dependent	1+ 7-
P	#2	Independent	10+ 7-
	#3	Dependent	1+ 7-
R	#3	Independent	8+ 7-
Т	#3	Depéndent	1+ 7-

.4VA 28VDC Resistive 15A 24V 1 в

4. TERMINATION / BASE STYLE

8 Term	10 Term	Terminat			Jumper
1	2	.250 TAB (QC) - no barriers	No
A	B	.250 TAB (QC) - with barriers	No
J 4, 5	K ^{4, 5}	.250 TAB (QC) - no barriers	Yes (T2 to T5)

Notes:

- Switch circuit uses terminals 1,2,3,4,5 & 6. Terminals 7,8,9 & 10 are for lamp 1 Jumper between terminals 2 & 5 for Circuits 61, 62, & 64 to be specified in 2
- the Termination & Jumper selection. Circuit 61 may be used for SP, OFF-ON-ON circuit. Base will not have terminal insulating barriers when connector and/or 3
- 4 jumpers are used. Code J,K are optional for circuits 62 and 64. Customer may provide
- 5
- Code JK are optional for circuits 62 and 64. Customer may provide externally wired jumper to connect terminals 2 and 5. Lamp #1 located at top end of switch, above terminal 4. Lamp #2 located at top end of switch between terminals 1 & 4. Lamp #3 located at top end of switch, above terminal Positive (+) and negative (-) symbols apply to LED. lamps only. Mounting hole size is 1.450" (36.83mm) by 0.830" (21.08mm). To mount multiple switches in single panel cut-out order optional interlocking mounting panels. 6
- 7
- mounting panels. Lens color for L.E.D.s must be clear, white, or match color of L.E.D. 8

🛿 Configure Complete Part Number > 🗧 🖾 Browse Standard Parts >

6, 7, 8. LAMP #1, 2 AND OR LAMP #3

Selection 6 No lamp	6: above t	terminal 7;	Selection 8	3: above	terminal 8	
LED 12VDC	Red C	Amber N	Green H	Blue E	White 6	
24VDC	D	Р	J	К	8	

9. BRACKET COLOR & PANEL SEAL

10. ACTUATOR STYLE

5. ILLUMINATION

K Rotary Knob (Standard)

ACTUATOR ORIENTATION ABOVE TERMINALS



11. LENS COLOR

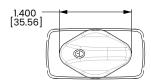
No Lens Clear 4	Z White 9	Amber E	Green K	Red R	Blue W	
Clear 4	White 9	E		Red R		

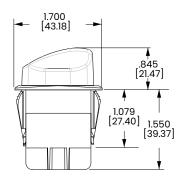
12. KNOB COLOR

Black	Gray	Red	White
C	н′	S	Y

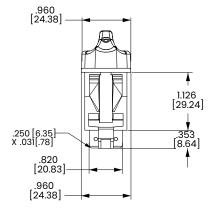
Dimensional Specs

inches [millimeters]

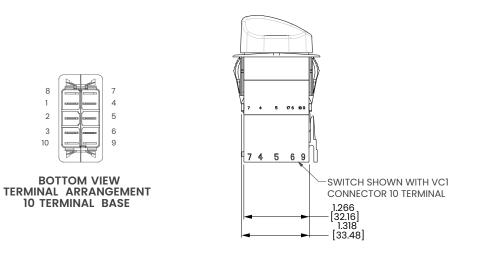




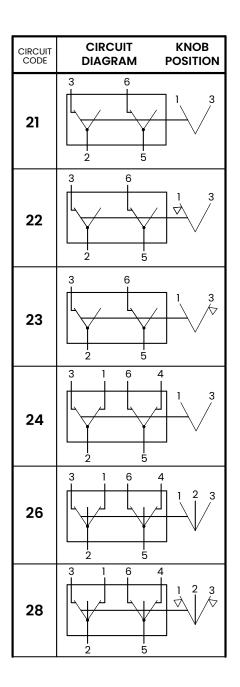
10 TERMINAL BASE W/BARRIERS

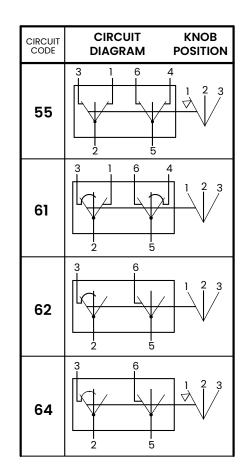


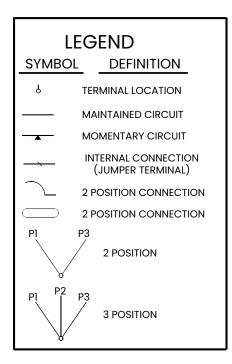
10 TERMINAL BASE W/OBARRIERS



Circuits Diagrams

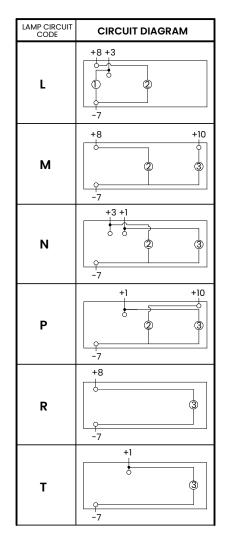






Lamp Circuit Diagrams

LAMP CIRCUIT CODE	CIRCUIT DIAGRAM
A	+8 0 -7
В	+3 0 0 -7
υ	+8 +10 0 3 -7
D	+3 +1 0 0 -7
E	+8 +9 +10 0 2 3 -7
F	+3 +1 +9 0 0 0 3 -7
G	+8+3 0 3 -7
н	+8
J	+8 +10 0 0 -7
к	+3 +1



Authorized Sales Representatives and Distributors

Click on a region of the map below to find your local representatives and distributors or visit **www.carlingtech.com/findarep**.



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**.

© Carling Technologies, Inc.

8. Carling, Contura are registered trademarks of Carling Technologies, Inc. in the U.S. and other countries.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Rotary Switches category:

Click to view products by Carling manufacturer:

Other Similar products are found below :

57HS22-02-2-06N 57M22-02B16N 57M22-09A16N M3786/4-0881 M3786/4-3267 M3786/4-5568 M3786/4-6029 71ESF30-05204N MC06L1NCGF 84986-26 9003K2C003GA PLR3251 PLR3262 PS3 A0142M2SP A019605 A029303 R2AA4455NNNN R2BB4455NNNN RMS1224 DR75-AMSF-10R-B 14-520.0360 1703.3201 HW1MS-0202-101 24002-03S A029101 ACSNO-129-YB-C1014 ACSNO-134-RR-YB-C1005 ACSNO-353-SB-C3016 1825537-4 T505 T505E 24005-03N H10207RR01Q M3786/4-0002 M3786/4-0630 M3786/4-1028L M3786/4-1233L M3786/4-3044 M3786/4-3129 M3786/4-5008L M3786/4-5256 MC6CX1A502X009 42HS36-01-1-06N 42P36-03B10S 44MBS60-04-2-03N 44MG90-02-1-02N 50KMT90-01-2-02N 51A22-01-1-16S 51CDP30-01PAJN