



Carling Technologies®

Innovative Designs. Powerful Solutions.

ON/OFF HIGHWAY

SWITCHES, CONTROLS AND CIRCUIT PROTECTION










SELECTOR GUIDE

INTRODUCTION

With years of design and manufacturing experience, Carling Technologies is the market leader in transportation application switches & control modules providing solutions to most all major OEMs. Carling's switches are widely used and the most recognizable switch brand in the industry with unmatched quality and aesthetics. By drawing upon over 90 years of design experience, Carling Technologies is also able to provide custom product solutions such as operator control modules and custom electronic controls, that are sure to meet the most stringent design requirements.

Use this selector guide document to learn more about the Carling Technologies switches and circuit protection products that are best suited for your On & Off-Highway solutions.

CUSTOM SOLUTIONS

						
Cruise Control	Horn Control	Light Control Module	HVAC Motor Control	Solid State Power Control	Control Interface	Multi-Function Displays

If you can imagine it, Carling Technologies can create it. From a minor modification to an existing product to a co-development concept, no one can develop, design and manufacture a custom engineered product with greater ease, more efficiency, or more cost effectively than Carling Technologies. As a vertically integrated company with manufacturing facilities on three continents, Carling Technologies offers end-to-end product solutions, from concept and design to tooling, fabrication, and manufacturing. Carling's independence and dedication to customers ensure the flexibility to respond quickly to any opportunity or requirement. And Carling's network of employees in ISO/TS-registered manufacturing plants and sales offices stretches worldwide, guaranteeing that Carling experts are always nearby to provide you with answers and support whenever and wherever you need them.

CHECK OUT THE NEW CONFIGURIT TOOL

www.carlingtech.com/configurit

Carling's CONFIGURIT tool to configure a complete and valid part number. This easy-to-use tool allows you to select the part features that best suit your application and it provides additional part number details such as datasheets, 3D CAD models and 2D sales drawings.

PART NUMBER:

V 1 B 2 S 0 0 B - G Z C 00 - 0 00

Take Action

Download
3D CAD File

Download
Datasheet

Get Sample

ELECTRONIC SWITCHING



CKP-Series



VM-Series

SAE J1939 CAN 2.0b Protocol	SAE J1939 CAN 2.0b Protocol	Software
12 individual loads	6 individual rockers, up to 12 total loads	Circuitry
8-32 V	12 or 24 V	Operating Voltage
1, 2, or 3 LED's per load	Dependent or Independent LED's	Illumination
IP69 Front Panel; IP68 Back Panel when connected	IP68 Front Panel; IP68 Back Panel when connected	Sealing
Deutsch DT-Series Connector	Deutsch DT-Series Connector	Termination
Custom or standard laser etched backlighting	Custom or standard laser etched backlighting	Legends

CONTROLS



CLTM12-S-Series



V-Charger



LD Dimmer



LMR Mirror



LW Wiper

n/a	1	1	multi	2	Poles
6.5 to 32VDC	up to IP65 12V/24VDC	up to 10A 12VDC 5A 24VDC	up to 1A 14VDC .5A 28VDC	up to 8A 14VDC 4A 28VDC	Ratings
n/a	sealed spring-loaded access doors; curved or square	rocker, paddle	joystick	rocker, paddle	Actuator
3x M6 studs	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.867" x 1.734" [22mm x 44mm] snap-in mount	.867" x 1.734" [22mm x 44mm] snap-in mount	.867" x 1.734" [22mm x 44mm] snap-in mount	Mounting Hole Specifications
1/4" - 20 power studs	.250 tabs	.250 tabs	wire leads with connector	.187 tabs	Termination
n/a	LED	LED	n/a	LED	Illumination
IP69k	Curved Doors: IP65 above- panel when doors closed Square Doors: IP64 above- panel when doors closed	IP67 above- panel	n/a	n/a	Sealing
n/a	n/a	n/a	n/a	n/a	Approvals

*Options and approvals shown may apply to specific construction combinations only, consult factory for clarification.
 Manufacturer reserves the right to change product specifications without prior notice.

SEALED ROCKERS

				
HR-Series	V-Series	W-Series	L-Series	
1, 2	1, 2	1, 2	1, 2	Poles
IP68; 20A 12V	IP66/68; up to 20/15A 12/24VDC 15A 125VAC 10A 250VAC	IP68 including connector; up to 10A 24VDC	IP67; up to 15A 125VAC 10A 250VAC 20A 18VDC	Ratings
Laser-Etched Rocker	Rocker, Paddle, Locking Rocker	Bezel-Less Rocker, Paddle & Locking Rocker	Rocker, Paddle, Locking Rocker	Actuator
.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.867" x 1.734" [22mm x 44mm] snap-in mount	Mounting Hole Specifications
.110 tabs	.250 tabs solder lug wire leads	.110 tabs	.187 tab .250 tabs	Termination
LED	incandescent, LED, neon	LED	incandescent, LED	Illumination
n/a	UL, CSA	n/a	n/a	Approvals

SEALED TOGGLE

SEALED ROTARY

FULL-SIZE ROCKER

ADDRESSABLE


				
ST-Series	V-Rotary	S-Series	N-Series	
1, 2	2	1, 2	1	Poles
10A 250VAC 15A 125VAC 16A 12/24VDC	up to 15A 24VDC 20A 12VDC	up to 10A 28VDC	.4VA 28VDC	Ratings
IP68, bat, paddle	IP67, ergonomic knob	bezel-less rocker	IP67, rocker, paddle	Actuator
.500" dia [12.7mm] bushing mount	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.787" x 1.575" snap-in, keyed	.867" x 1.734" [22mm x 44mm] snap-in mount	Mounting Hole Specifications
.250 tabs Screw Terminals with cage clamps	solder lug .250 tabs wire leads	.110 Tabs	.187 tabs	Termination
n/a	incandescent, LED	LED	LED	Illumination
UL60079-15, cUL	pending	n/a	n/a	Approvals

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BATTERY DISCONNECT

		
BD-Series	BD1-Series	
1	1	Poles
100-300 Amps 12VDC/24VDC	250 Amps 12VDC/24VDC	Ratings
ergonomic knob	ergonomic knob; removable option available	Actuator
M8 Bolt and Nut	M6/M7 Bolt and Nut	Mounting Hole Specifications
M10 Stud M14 Stud	M10 Stud; 19 and 27mm length	Termination

COMBINATION

		
CSW-Series		
Multi		Poles
10-15A 12VDC		Ratings
Pushbutton, Rotary & Lever		Actuator
Round, Snap in Style		Mounting Hole Specifications
Wire Leads or Connector		Termination

THERMAL CIRCUIT PROTECTION

		
CMB-Series	CLB-Series	
1	1	Poles
pushbutton	pushbutton	Actuator
3 to 20A, 125-250VAC, 32VDC	3 to 60A, 125-250VAC, 32VDC	Max Current & Voltage Ratings
2500A@32VDC	2500A@32VDC	Max Interrupting Capacity
series trip manual reset	series trip manual reset	Available Circuits
.250 Tab .250 tab with 90° bend screw terminal screw term with 90° bend	.250 tab .250 tab with 90° bend screw terminal screw term with 90° bend	Termination
threaded bushing, front panel snap-in	threaded bushing, front panel snap-in	Mounting Method
UL, CUL, TUV, CE, ISO 8846 for ignition protection / marine	UL, CUL, TUV, CE, ISO 8846 for ignition protection / marine	Approvals

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