

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

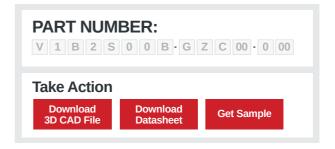


If you can imagine it, Carling Technologies can create it. From a minor modification to an existing product to a co-development concept, no one can develop, design and manufacture a custom engineered product with greater ease, more efficiency, or more cost effectively than Carling Technologies. As a 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.

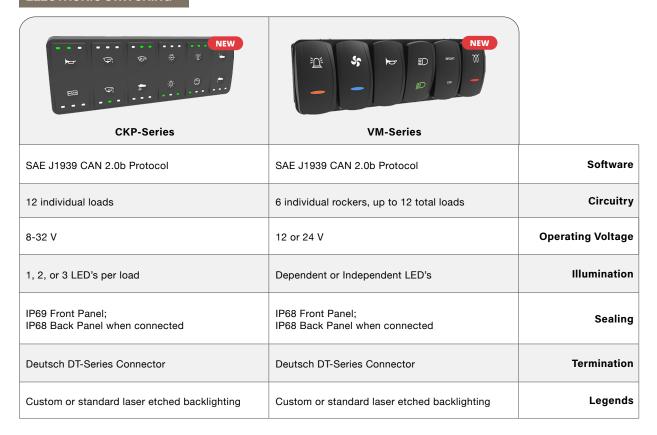
CHECK OUT THE NEW CONFIGURIT TOOL

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.



ELECTRONIC SWITCHING



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



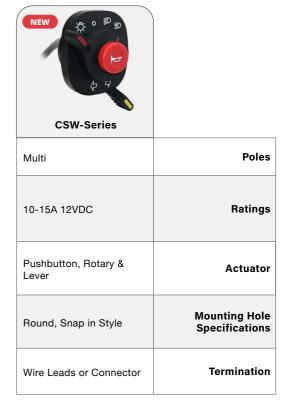
SEALED TOGGLE	SEALED ROTARY	FULL-SIZE ROCKER	ADDRESSABLE	
		B.o.		
ST-Series	V-Rotary	S-Series	N-Series	
1, 2	2	1, 2	1	Poles
10A 250VAC 15A 125VAC 16A 12/24VDC	up to 15A 24VDC 20A 12VDC	up to 10A 28VDC	.4VA 28VDC	Ratings
IP68, bat, paddle	IP67, ergonomic knob	bezel-less rocker	IP67, rocker, paddle	Actuator
.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 **Poles** 1 100-300 Amps 250 Amps Ratings 12VDC/24VDC 12VDC/24VDC ergonomic knob; Actuator ergonomic knob removable option available Mounting Hole Specifications M8 Bolt and Nut M6/M7 Bolt and Nut M10 Stud M10 Stud; **Termination** M14 Stud 19 and 27mm length

COMBINATION



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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