



Carling Technologies®

Innovative Designs. Powerful Solutions.

SWITCHES & CONTROLS



SELECTOR GUIDE

ELECTRONIC SWITCHING

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

CONTROLS

									
CLTM12-S-Series		V-Charger		LD Dimmer		LMR Mirror		LW Wiper	
n/a		1		1		multi		2	
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	
n/a		sealed spring-loaded access doors; curved or square		rocker, paddle		joystick		rocker, paddle	
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	
1/4" - 20 power studs		.250 tabs		.250 tabs		wire leads with connector		.187 tabs	
n/a		LED		LED		n/a		LED	
IP69k		Curved Doors: IP65 above- panel when doors closed Square Doors: IP64 above- panel when doors closed		IP67 above- panel		n/a		n/a	
n/a		n/a		n/a		n/a		n/a	

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

FULL-SIZE ROCKERS

		
TIG / LTIG / TIH / LTIH / TIL / LTIL / TII / LS	S-Series	
1, 2, 3, 4	1, 2	Poles
up to 15A 125VAC 10A 250VAC	up to 10A 28VDC	Ratings
rocker, paddle	bezel-less rocker	Actuator
.830" x 1.450" [21.08mm x 36.83mm] snap-in mount screw mount	.787" x 1.575" snap-in, keyed	Mounting Hole Specifications
.187 tab solder lug .250 tabs screw terms wire leads	.110 Tabs	Termination
incandescent, neon	LED	Illumination
UL, CSA, VDE	n/a	Approvals

*Options and approvals shown may apply to specific construction combinations only, consult factory for clarification.

MID-SIZED ROCKERS

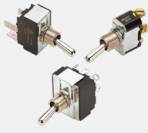
			
T / LTA / TG / LTG / TLG / TTG	RR / LRR	R / LRA / RSC / RG / LRG	
1, 2	1	1, 2	Poles
up to 20A 125VAC 10A 250VAC	up to 12A 125VAC 10A 250VAC	up to 20A 125VAC 15A 250VAC	Ratings
rocker, lever, paddle, plunger, toggle (bat)	rocker	rocker, paddle	Actuator
.550" x 1.125" [13.97mm x 28.57mm] 1.00" x 1.125" [25.4mm x 28.57mm] snap-in mount	.795" [20.2mm] round snap-in mount	.480" x 1.072" [12.19mm x 27.23mm] .866" x 1.182" [22mm x 30mm] snap-in mount	Mounting Hole Specifications
.187 tab solder lug .250 tabs wire leads	.187 tab	solder lug .250 tabs wire leads PC terms	Termination
incandescent, neon	incandescent, neon	incandescent, neon	Illumination
UL, CSA	UL, cUL	UL, CSA, VDE	Approvals

SMALL-SIZED ROCKERS

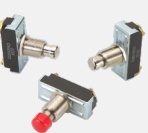
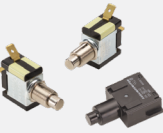
				
610 / 620	611 / 621	622 / 632	651 / 652	
1, 2	1, 2	1, 2	1	Poles
up to 8A 125VAC 4A 250VAC	up to 8A 125VAC 4A 250VAC	up to 12A 125VAC 8A 250VAC 1/2 HP 125-250VAC	up to 10A 125VAC 10A 250VAC 1/4 HP 125-250VAC	Ratings
rocker, paddle	rocker, paddle	rocker	rocker, paddle	Actuator
.508" x .756" [12.9mm x 19.2mm] snap-in mount	.508" x .756" [12.9mm x 19.2mm] snap-in mount	.508" x .756" [12.9mm x 19.2mm] snap-in mount	.508" x .756" [12.9mm x 19.2mm] snap-in mount	Mounting Hole Specifications
solder lug PC terms	.187 tab solder lug wire leads PC terms	.187 tab solder lug	.187 tab solder lug wire leads PC terms	Termination
n/a	n/a	incandescent, LED, neon	n/a	Illumination
UL, CSA	UL, CSA, VDE	UL, CSA	UL, CSA	Approvals

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TOGGLES

							
ST-Series	LT-Series	F / G / H / I	C / D	110-Series	DK / EK	MAAOA / 215	
1, 2	1, 2	1, 2, 3, 4	1	1, 2	1, 2	1	Poles
10A 250VAC 15A 125VAC 16A 12/24VDC	up to 15A 125VAC 10A 250VAC 15A 12-28VDC	up to 20A 125VAC 20A 277VAC 2 HP 250VAC	up to 20A 125VAC 10A 250VAC	up to 6A 125VAC/ DC 3A 250VAC/ DC	up to 20A 125VAC/ DC 10A 250VAC/ DC	up to 20A 125VAC 10A 250VAC 1/2HP 125- 250VAC	Ratings
IP68, bat, paddle	paddle, toggle (bat)	paddle, toggle (bat)	paddle, toggle (bat)	toggle (bat), toggle (ball)	toggle (bat), toggle (ball)	toggle (bat)	Actuator
.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.656" x 1.218" [16.66mm x 30.54mm] snap-in mount	Mounting Hole Specifications
.250 tabs Screw Terminals with cage clamps	.187 tabs solder lug .250 tabs screw terms wire leads PC terms	.187 tabs solder lug .250 tabs screw terms wire leads PC terms	solder lug .250 tabs screw terms wire leads	solder lug .250 tabs screw terms wire leads	screw terms	.250 tabs screw terms wire leads	Termination
n/a	incandescent, neon	n/a	n/a	n/a	n/a	n/a	Illumination
UL60079-15, cUL	n/a	UL, CSA, VDE	UL, CSA	UL, CSA	UL, CSA	UL, CSA	Approvals

PUSHBUTTONS

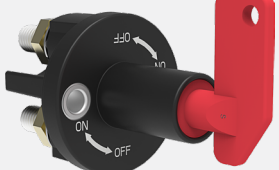
						
AV / AVH	16-3P	170 / 172	P26 / P27	641 / 110	P / PP	
1	1	1	1	1, 2, 3	1	Poles
AV-Series: up to 10.1A 12VDC AVH-Series: up to 30A 12VDC	up to 3A 125VAC	up to 15A 125VAC 10A 250VAC	up to 6A 125VAC 3A 277VAC	up to 5A 125VAC 2A 250VAC	up to 20A 125VAC 10A 250VAC	Ratings
.748" dia [19mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	.500" dia [12.7mm] bushing mount	Mounting Hole Specifications
.110 tabs wire leads	solder lug wire leads	solder lug screw terms wire leads	.250 tabs solder lug wire leads	solder lug wire leads PC terms	.250 tabs screw terms wire leads	Termination
UL1500	UL, CSA	UL, CSA	UL, CSA	UL, CSA	UL, CSA, TUV	Approvals

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ROTARY

			
V-Rotary	R135	700 / 800	
2	1	1	Poles
up to 15A 24VDC 20A 12VDC	1.5A 250VAC 3A 125VAC 5A 12VDC	up to 3A 250VAC 6A 125VAC	Ratings
IP67, ergonomic knob	round	asymmetrical	Sealing / Actuator
.830" x 1.450" [21.08mm x 36.83mm] snap-in mount	.375" dia [9.52mm] bushing mount .500" dia [12.7mm] snap-in mount	.500" dia [12.7mm] bushing mount	Mounting Hole Specifications
solder lug .250 tabs wire leads	wire leads	.125 tabs solder lug .250 tabs	Termination
incandescent, LED	n/a	n/a	Illumination
pending	UL, CSA	UL, CSA	Approvals

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

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To find your local representatives and distributors 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 four ISO 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

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