



SELECTOR GUIDE

Switches and Controls

Electromechanical & Electronic Switching



Selector Guide

DIGITAL SWITCHING



VM-Series



EPB-Series



CKP-Series



CM-Series

Software	SAE J1939 CAN 2.0b Protocol	SAE J1939 CAN 2.0b Protocol or Electromechanical Only Option	SAE J1939 CAN 2.0b Protocol	SAE J1939 CAN 2.0b Protocol (Controller Module) LIN Bus (Switches)
Switch Layout	3 or 6 individual Rockers	One lever switch with options for 1 or 2 extra pushbuttons	4 to 12 Pushbuttons	Up to 3 switches
Operating Voltage	12 or 24 V	12 or 24V	8-32 V	9-32 VDC (Controller Module) 5-32 VDC (Hardwire Switch)
Illumination	Dependent or Independent LED's	1, 2 or 3 dependent white LEDs	1, 2, or 3 LED's per load	0, 1, 2, or 3 Independent LED's
Sealing	IP68 Front Panel; IP68 Back Panel when connected	IP54	IP6k9k Front Panel; IP68 Back Panel when connected	IP52 when connected
Termination	Deutsch DT-Series Connector	TE connectors and terminals (see datasheet)	Deutsch DT-Series Connector	TE connectors and terminals (see datasheet)
Legends	Custom or standard laser etched backlighting	Parking Brake Symbol with options for Auto Hold and Trailer Brake	Custom or standard laser etched backlighting	Custom or standard laser etched backlighting



CKJ-Series



CRS-Series



CLTM12-S-Series

Software	SAE J1939 CAN 2.0b Protocol	n/a	SAE J1939 CAN 2.0b Protocol
Switch Layout	5 Pushbuttons, (1) 4-directional Joystick and 1 Rotary knob	(1) 4-directional Joystick, 1 Rotary and Pushbutton Encoder	n/a
Operating Voltage	8-32 V	3.3 or 5.0 V	6.5-32 V
Illumination	CAN Controlled dimmable LEDs	n/a	n/a
Sealing	IP67 for above panel switch components	IP67 or above panel components	IP69k
Termination	Deutsch DT-Series connector	SAMTEC SQT, SMM & MMS-Series Connectors	Molex MX-150 Connector
Legends	Custom or standard laser etched backlighting	n/a	n/a

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SEALED ROCKERS



L-Series



W-Series



V-Series

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

FULL-SIZE ROCKERS



S-Series



TIG / LTIG / TIH / LTIH / TIL / LTIL / TII / LS

Poles	1, 2	1, 2, 3, 4
Ratings	up to 10A 28VDC	up to 15A 125VAC 10A 250VAC 26A 250VAC Resistive
Actuator	bezel-less rocker	rocker, paddle
Mounting Hole Specifications	.787" x 1.575" snap-in, keyed	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount screw mount
Termination	.110 Tabs	.187 tab solder lug .250 tabs screw terms wire leads
Illumination	LED	incandescent, neon
Approvals	n/a	UL, CSA, VDE

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MID-SIZED ROCKERS



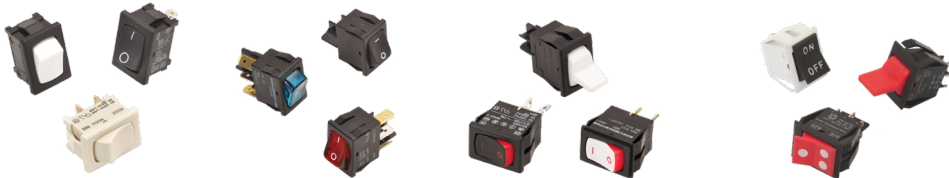
R / LRA / RSC / RG / LRG

RR / LRR

T / LTA / TG / LTG / TLG / TTG

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

SMALL-SIZED ROCKERS



651 / 652

622 / 632

611 / 621

610 / 620

Poles	1	1, 2	1, 2	1, 2
Ratings	up to 10A 125VAC 10A 250VAC 1/4 HP 125-250VAC	up to 12A 125VAC 8A 250VAC 1/2 HP 125-250VAC	up to 8A 125VAC 4A 250VAC	up to 8A 125VAC 4A 250VAC
Actuator	rocker, paddle	rocker	rocker, paddle	rocker, paddle
Mounting Hole Specifications	.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
Termination	.187 tab solder lug wire leads PC terms	.187 tab solder lug	.187 tab solder lug wire leads PC terms	solder lug PC terms
Illumination	n/a	incandescent, LED, neon	n/a	n/a
Sealing	UL, CSA	UL, CSA	UL, CSA, VDE	UL, CSA

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TOGGLES



MAAOA / 215

DK / EK

110-Series

C / D

F / G / H / I

LT-Series

ST-Series

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

PUSHBUTTONS



P / PP

641 / 110

P26 / P27

170 / 172

16-3P

AV / AVH

GP-Series

Poles	1	1, 2, 3	1	1	1	1	1
Ratings	up to 20A 125VAC 10A 250VAC	up to 5A 125VAC 2A 250VAC	up to 6A 125VAC 3A 277VAC	up to 15A 125VAC 10A 250VAC	up to 3A 125VAC	AV-Series: up to 10.1A 12VDC AVH-Series: up to 30A 12VDC	.25A 24VDC
Mounting Hole Specifications	.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	.748" dia [19mm] bushing mount	.830" x 1.450" [21.08mm x 36.83mm] snap-in mount
Termination	.250 tabs screw terms wire leads	solder lug wire leads PC terms	.250 tabs solder lug wire leads	solder lug screw terms wire leads	solder lug wire leads	.110 tabs wire leads	Integrated female connector in switch base. Mates with Delphi Connector P/N 12064760
Illumination	n/a	n/a	n/a	n/a	n/a	LED	LED
Approvals	UL, CSA, TUV	UL, CSA	UL, CSA	UL, CSA	UL, CSA	UL1500	N/A

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ROTARY



700 / 800



R135



V-Rotary

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

BATTERY DISCONNECT



BDI-Series



BD-Series

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

COMBINATION



CSW-Series

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

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CONTROL SWITCHES



LW Wiper

LMR Mirror

LD Dimmer

Poles	2	multi	1
Ratings	up to 8A 14VDC 4A 28VDC	up to 1A 14VDC .5A 28VDC	up to 10A 12VDC 5A 24VDC
Actuator	rocker, paddle	joystick	rocker, paddle
Mounting Hole Specifications	.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
Termination	.187 tabs	wire leads with connector	.250 tabs
Illumination	LED	n/a	LED
Sealing	n/a	n/a	IP67 above-panel

CHARGING DEVICES



V-Charger

CV-Charger

Poles	1	1
Ratings	up to IP65 12V/24VDC	9-32VDC
Mounting Hole Specifications	.830" x 1.450" [21.08mm x 36.83mm]	.830" x 1.450" [21.08mm x 36.83mm]
Termination	.250 tabs	.250 tabs
Illumination	LED	LED
Sealing	Curved Doors: IP65 above-panel when doors closed Square Doors: IP64 above-panel when doors closed	IP64 above-panel when doors closed



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