



### APEM DEVELOPS NEW OPTIONS FOR K SERIES ROCKER SWITCHES

APEM's KR and KL rocker switches feature an up-to-date design with a large selection of colors and markings, extreme robustness and high ratings.



#### • 20 Amp version

The KR and KL series are now available with 20A 12VDC rating (6.35 quick-connect terminals only). With such a high rating, our rocker switches can now be connected directly to monitor the vehicle functions (illumination, motor...). This option is of high interest in vehicles without electronics or with few embedded functions.



#### **K SERIES APPLICATIONS:**

- Agricultural machinery
- Handling equipment
- Construction vehicle cabins
- Off-road vehicles

#### • Elastomer membrane for the KL series

Off-road vehicle cabins are often particularly dusty and this can lead to switch blocking. With the new elastomer membrane, the actuator no longer moves, but deforms only, protecting against dust. The rocker ergonomics, robustness and lifecycle remain unchanged. This option is especially crucial in open cabins with a high exposure to dust.

#### IP69K panel sealing

KR and KL series switches can now be sealed up to IP69K due to a new silicone gasket surrounding the switch frame and covering the housing top.

#### New design for 10-terminal connectors

10-terminal connectors can prove difficult to connect. APEM's new 10-terminal connector includes spring terminals, making them quicker and easier to mount, with unchanged robustness.

Request Samples & Specs



# KR & KL SERIES



## **NEW OPTIONS**

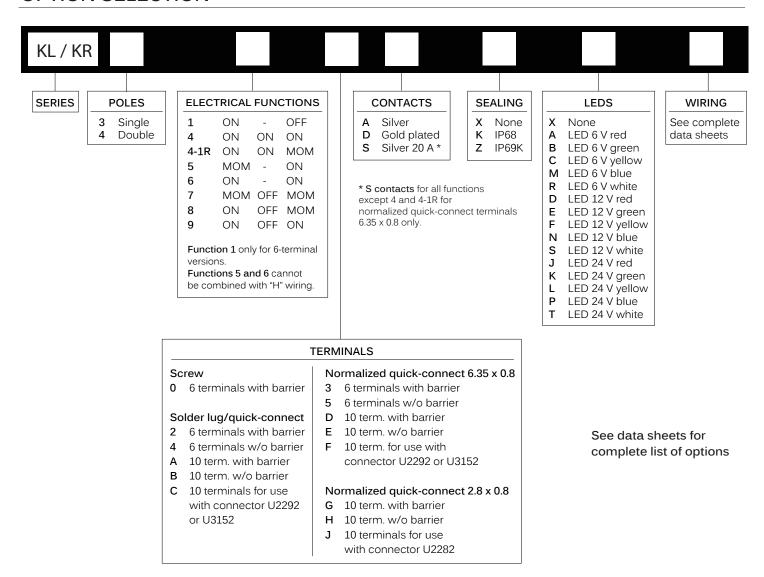
- > 20 A 12 VDC rating
- > IP69K panel sealing
- > Elastomer membrane (KL series)
- New 10-terminal connector

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I(800) 381-7308 • (514) 388-7308 sales@diverseelectronics.com

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ELECTRICAL SPECIFICATIONS			
Current / voltage rating with resistive load	-	Silver plated contacts A: 5 A 24 VDC, 100,000 cycles -10 A 24 VDC 10,000 cycles S: 20 A 12 V, 10,000 cycles Gold plated contacts D: 20 mA 12 V, 150,000 cycles	
Current / voltage rating with lamp load (KR only)	-	Silver plated contacts (A) -functions 1-6 100 W 24 VDC 10,000 cycles -other funtions 60 W 24 DC 10,000 cycles	
Initial contact resistance	_	$10 \mathrm{m}\Omega$ max	
Insulation resistance	_	1,000 mΩ min. at 500 VDC	
Dielectric strength	_	500 Vrms 50 Hz min. between terminals, 2,000 Vrms 50Hz min. between terminals	
Mechanical life	_	150,000 cycles min.	

ENVIRONMENTAL SPECIFICATIONS		
Sealing options	-	K: IP68 to front panel components of switch according to IEC 60529 Z: IP69K panel sealing according to DIN 40050-9
Salt spray resistance	_	96 hours according to IEC 512-6, test 11f
Vibration resistance (KR only)	_	10-500 Hz / 10 g per IEC 60068-2-6
Operating temperature	_	-40 °C to +85 °C (-104 °F to 185 °F)