APEM KR series

Sealed power rocker switches

- Illuminated or non-illuminated
- Attractive styling
- Laser marking





Distinctive features and specifications



- New rocker design
- ☐ Illuminated or non-illuminated
- ☐ Sealed to IP 65, IP 67 pending
- Laser marking

ELECTRICAL SPECIFICATIONS

- Currrent/voltage rating :
- functions 1 (ON-OFF) and 6 (ON-ON) : 15A 12VDC, 10A 24VDC max. 10mA 14VDC min.
- functions 4 (ON ON ON) and 4-1R (ON ON MOM) : 8A 12VDC, 5A 24VDC max.
- other functions: 10A 12VDC, 8A 24VDC max.
- Initial contact resistance : 10 $\dot{m}\Omega$ max. at 1A 2VDC
- Insulation resistance : 1.000 M Ω min. at 500VDC
- Dielectric strength: 2.000 Vrms 50 Hz min. between terminals
- Electrical life: 10.000 cycles min.
- Mechanical life:
 - 2 position models : 100.000 cycles min.3 position models : 30.000 cycles min.

ENVIRONMENTAL SPECIFICATIONS

- Degree of protection: IP 65 (sealed version)
- Salt spray resistance: 96 hours according to IEC 512-6, test 11f
- Operating temperature :
 - 2 position models : -40°C to + 85°C - 3 position models : -10°C to + 65°C

DIMENSIONS → Flat seal (1,830) (344) (348) (47.00 (1,850) (1,850) → Flat seal (47.00 (1,850)

MATERIALS

- Case and bezel: thermoplastic UL94-V0
- Terminals : brass, silver plated
- Contacts : silver grain
- Contact roller: brass, nickel plated

SEALING

Sealing is optional.

To order a sealed product, do not forget to complete appropriate box of ordering format on the following pages.

Dimensions: First dimensions are in mm while inches are shown as bracketed numbers.



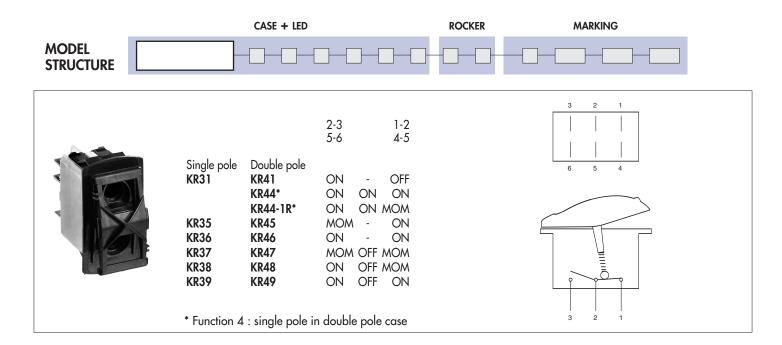
Packaging unit: 40 pieces



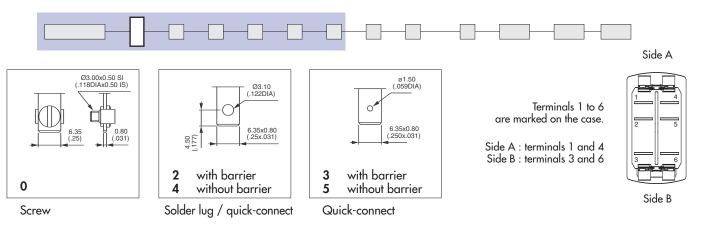
Case

HOW TO ORDER

- To order a complete product, fill in all the boxes of the following order guide.
- To order case only (without rocker), finish your order number with the LED wiring code.
- To order rocker only (without case), begin the order number with code KRR, then follow the order format from "rocker type" until the end of the options.



TERMINALS



CONTACT MATERIALS



A Silver grain

Functions ON-OFF and ON-ON: 15A 12VDC, 10A 24VDC max. - 10mA 14 VDC min.

Other functions: 10A 12VDC, 8A 24VDC max.

KR series

Power rocker switches

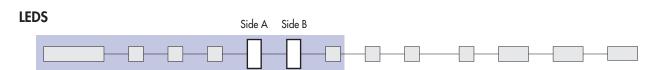
Illumination





Blank No sealing

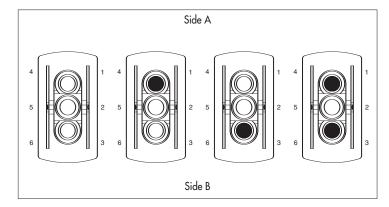
K Sealed version



Complete each enlarged box with one of the codes listed below.

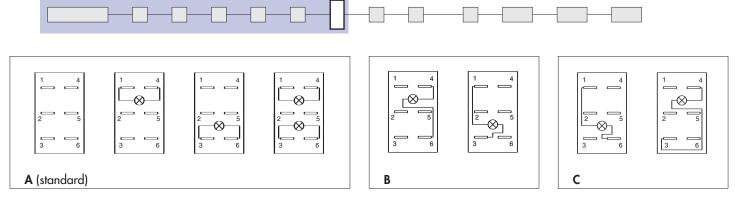
X	Without lamp	
Α	6V LED red	
В	6V LED green	
С	6V LED yellow	
D	12V LED red	
E	12V LED green	
F	12V LED yellow	

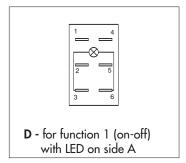
J	24V LED red
K	24V LED green
L	24V LED yellow



LED WIRING

The LED wiring diagram is shown on the case.







Rockers - Marking

To order rocker only (without case), begin the order number with code KRR, then follow the order format from "rocker type" until the end of the options.

ROCKER TYPE

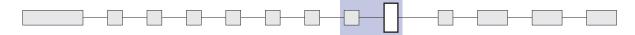




- For non-illuminated application
- 2 For illuminated application

Other rocker types: on request.

ROCKER COLOUR

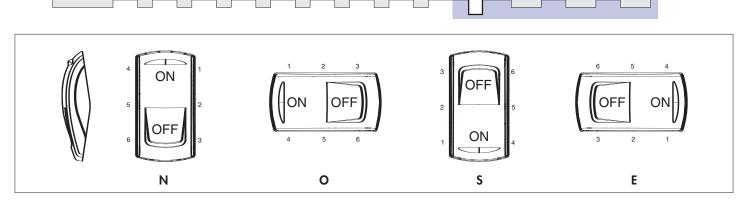


1	Blue
1/4	Dark blue
2	Black
3	Green
4	Grey

Yellow
Red
lvory
Orange

MARKING ORIENTATION

If no marking required, leave box blank.



Other orientations : on request



Marking

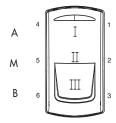


White marking for black rockers - Black marking for colour rockers - Other : on request. Marking in M area : on request.

Shaded area = standard marking

CODE	SYMBOL	DESCRIPTION
XX	None	-
01	ON	-
02	OFF	-
03	0	-
04		-
05		-
06	STOP	-
07	Α	Stop
08	М	Motion
09	<u> </u>	Up motion

CODE	SYMBOL	DESCRIPTION
10	ightharpoons	Down motion
11	**	Hot
12	*	Cold
13		Hazard lights
14	《言》	Traveller lighting
15	广	Driver lighting
16	,	Revolving light
17	**	Rear ventilator
18	223	Heating
19	\bigcirc	Door opening

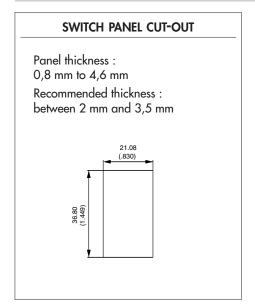


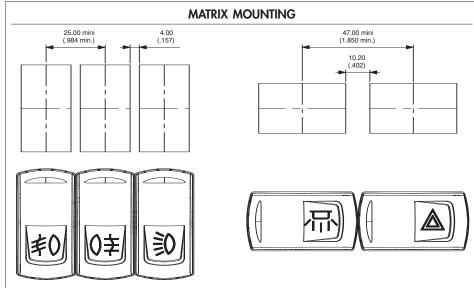
20	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Windshield demister/defroster
21	\square^2	Windshield wiper
22	, EEF	Windshield washer
23	¥,	Ventilator
24	111	Side mirror defroster
25		Restarting pump
26	丰()	Front fog lights
27	()≠	Rear fog lights

KR series

Power rocker switches

Mounting - Accessories



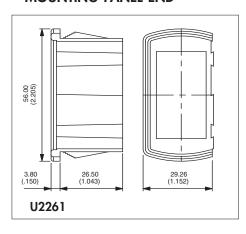


CONNECTOR

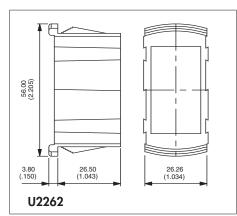


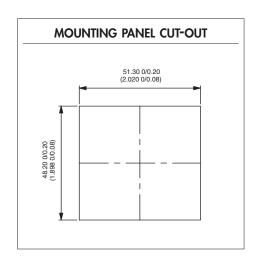
For use with terminals type 2, 3, 4 or 5. 6,35 (1/4) tabs to be fitted by the user (example : AMP/Tyco 0-0141013-2).

MOUNTING PANEL END



MOUNTING PANEL MIDDLE





APEM, a world of switching capabilities

The APEM group is one of the world's largest switch and switch panel manufacturers.

APEM designs, develops, manufactures and sells electromechanical components to multiple industrial markets including: instrumentation, medical, security, communications, industrial automation, interactive kiosk, avionics, military and transport.

Other APEM sealed products



Piezo switches

Piezo switches have no moving parts, are dust and water proof and their metal surface is impervious to other types of contamination.



" I " range of pushbuttons

This range consists of several series of sealed pushbuttons (IP, IB, IS, IF, IA) and a large variety of models: round or square, momentary or latching, illuminated or non-illuminated, plastic or metallic.



Sealing boots

Sealing boots for toggle, pushbutton or rocker prevent dust, sand or water from getting into switches. They are available in a wide range of colours.

