

KG series

Power rocker switches



DISTINCTIVE FEATURES

- Protected rocker
- Illuminated or non-illuminated
- Sealed to IP65



ENVIRONMENTAL SPECIFICATIONS

- Degree of protection : IP65 according to IEC 60529
- Shock resistance : 100 g according to IEC 512-4, test 6c
- Vibration resistance : 10-500 Hz - 10 g according to IEC 512-4, test 6d
- Salt spray resistance : 96 hours according to IEC 512-6, test 11f
- Operating temperature :
 - 2 position models : -40 °C to + 85 °C (-40 °F to +185 °F)
 - 3 position models : -10 °C to + 65 °C (-14 °F to +149 °F)



ELECTRICAL AND GENERAL SPECIFICATIONS

- Current/voltage rating :
 - functions 1 (ON-OFF) and 6 (ON-ON) : 15 A 12 VDC, 10 A 24 VDC max., 10 mA 14 VDC min.
 - functions 4 (ON ON ON) and 4-1R (ON ON MOM) : 8 A 12 VDC, 5 A 24 VDC max.
 - other functions : 10 A 12 VDC, 8 A 24 VDC max.
- Initial contact resistance : 10 mΩ max. at 1 A 2 VDC
- Insulation resistance : 1,000 MΩ min. at 500 VDC
- 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.
- Panel cut-out : 36.80 x 21.08 mm (1.149 x .830)
- Panel thickness : 0.8 mm to 4.6 mm
- Recommended thickness : between 2 mm and 3.5 mm

The company reserves the right to change specifications without notice.



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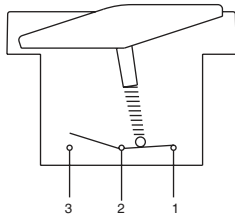


MATERIALS

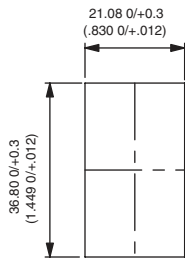
- Case : thermoplastic UL94-V0
- Terminals : brass, silver plated
- Contacts : silver grain
- Contact roller : brass, nickel plated



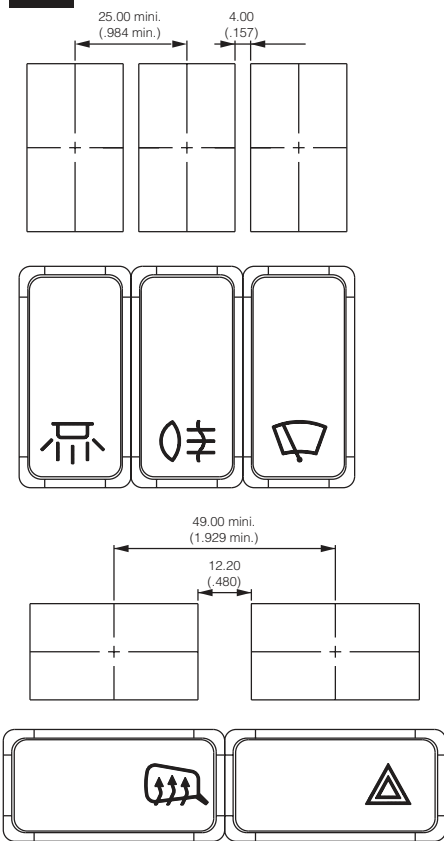
ELECTRICAL FUNCTIONS



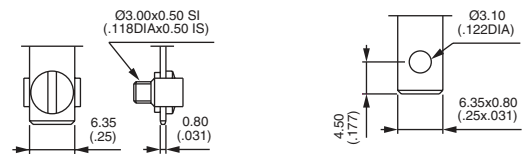
PANEL CUT-OUT



MATRIX MOUNTING

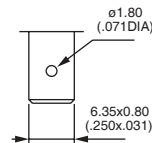


TERMINALS



Screw

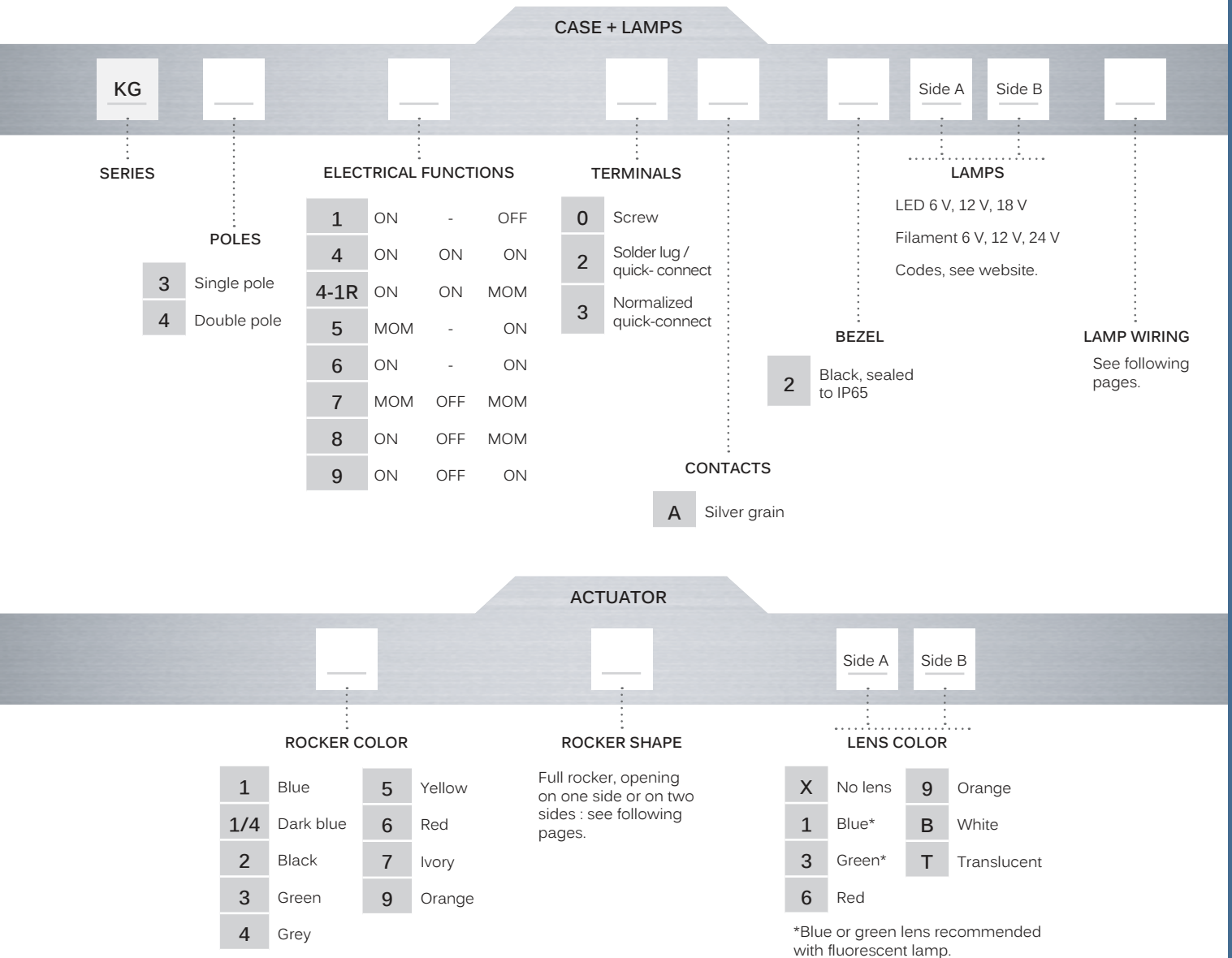
Solder lug / quick-connect



Normalized quick-connect 6.35x0.8



BUILD YOUR PART NUMBER



Actuator marking and symbols : see end of the series.



ABOUT THIS SERIES

- ⚠ **Notice** : please note that not all combinations of above numbers are available. Refer to the following pages for further information.
- 🔒 **Sealing boot** are available to protect the switches against dust and water. See "Sealing Boots" section of website.

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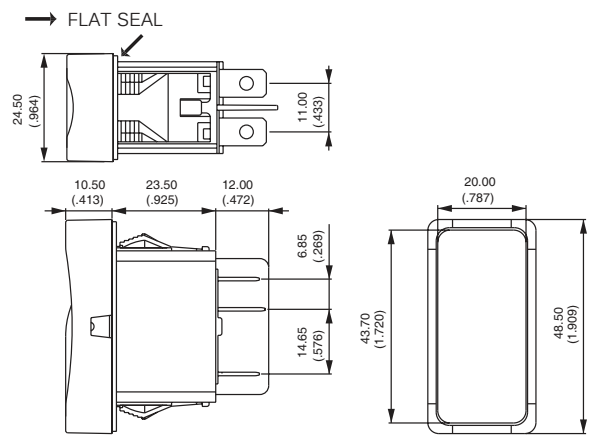
Power rocker switches

SOLDER LUG / QUICK-CONNECT TERMINALS



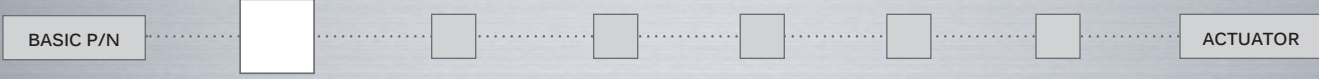
	Single pole	Double pole	2-3 5-6	1-2 4-5
KG31		KG41	ON	OFF
		KG44*	ON	ON
		KG44-1R*	ON	MOM
		KG45*	MOM	ON
KG36		KG46	ON	ON
KG37		KG47	MOM	OFF
KG38		KG48	ON	OFF
KG39		KG49	ON	OFF

* Function 4 & 5 : single pole in double pole case

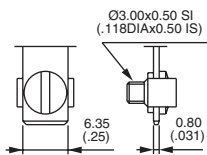


CASE + LAMPS

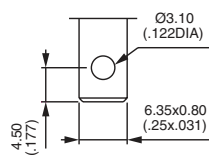
TERMINALS



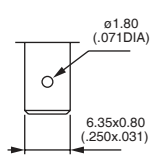
- 0 Screw
- 2 Solder lug / quick-connect
- 3 Normalized quick-connect



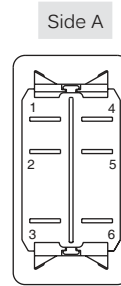
0



2



3



Side A

Side B

Terminals 1 to 6 are marked on the case.
Side A : terminals 1 and 4
Side B : terminals 3 and 6

CASE + LAMPS

CONTACT MATERIALS



- A Silver grain

CASE + LAMPS

BEZEL



- 2 Black, sealed to IP65

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CASE + LAMPS

LAMPS

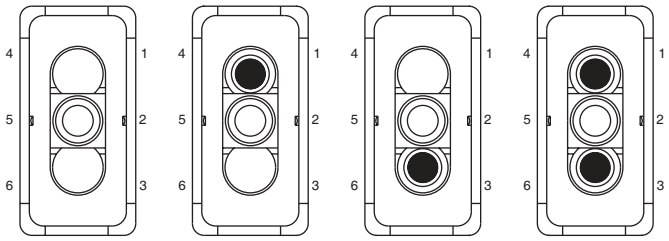


Complete each enlarged box with one of the codes listed below.

- X Without LED
- O Filament 6 V
- P Filament 12 V
- R Filament 24 V

	Red	Green	Yellow	Blue	White
6 VDC	A	B	C	1	W
12 VDC	D	E	F	Z	V
18 VDC	G	H	I	-	-
24 VDC	J	K	L	Y	U

Side A



Side B

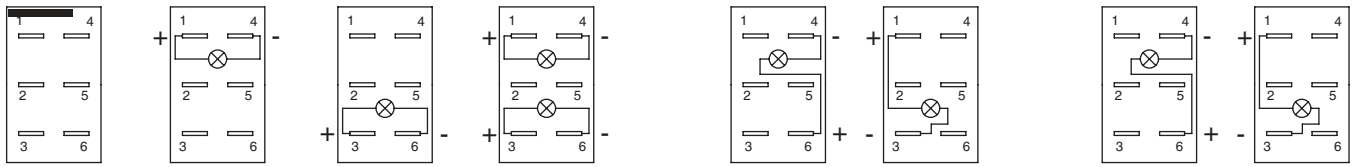
CASE + LAMPS

LAMP WIRING



The lamp wiring diagram is shown on the case.

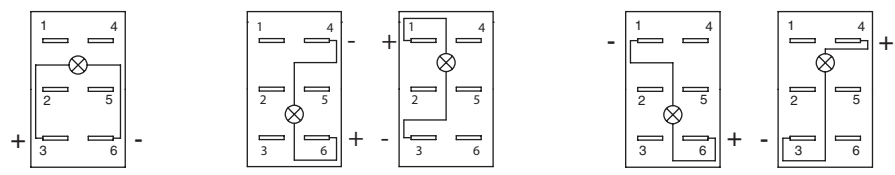
To order case only (without rocker), finish your order number with the lamp wiring code.



A standard

B

C



D *

E

F

* For function 1 (on-off) with LED on side A

Note : If not available, terminals are added to connect the LED.

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ACTUATOR

ROCKER COLOR



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

- | | | | |
|-----|-----------|---|--------|
| 1 | Blue | 5 | Yellow |
| 1/4 | Dark blue | 6 | Red |
| 2 | Black | 7 | Ivory |
| 3 | Green | 9 | Orange |
| 4 | Grey | | |

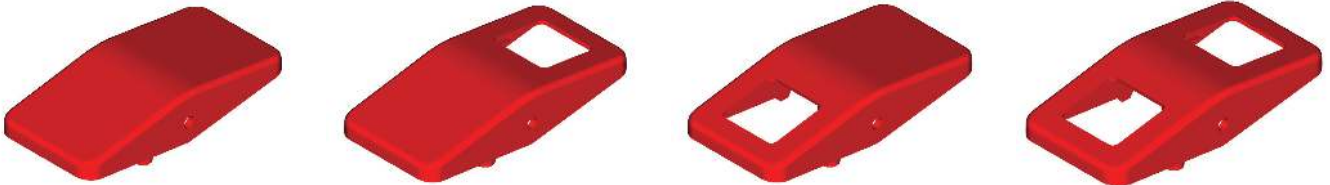
ACTUATOR

ROCKER SHAPE



- | | |
|---|--------------------------|
| 1 | Full rocker |
| 4 | Opening on side A |
| 6 | Opening on side B |
| 8 | Opening on sides A and B |

Other rocker shapes on customer specifications : on request.



1

4

6

8

ACTUATOR

LENS COLOR



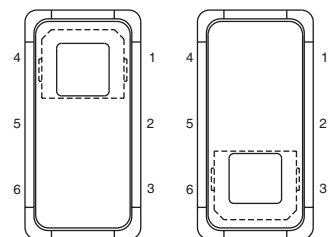
To order lenses only, begin the order number with the codes : KGLA for lens A and KGLB for lens B, then follow the order format from "lens color" until the end of the options.

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

- | | |
|---|-------------|
| X | No lens |
| 1 | Blue * |
| 3 | Green * |
| 6 | Red |
| 9 | Orange |
| B | White |
| T | Translucent |



Side A



Side B

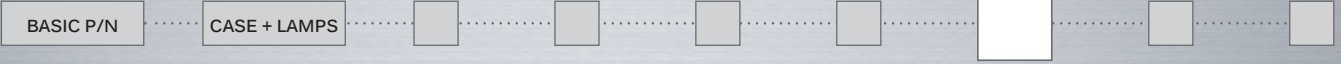
* Blue or green lens recommended with fluorescent lamp.

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ACTUATOR

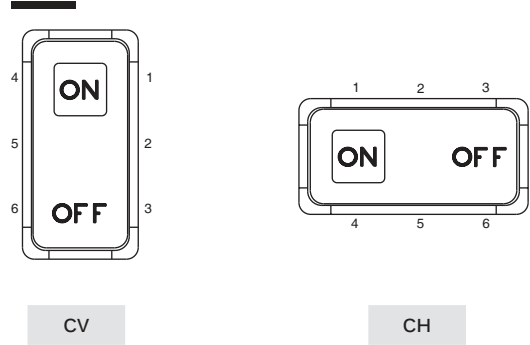
MARKING



If no marking required, leave box blank.

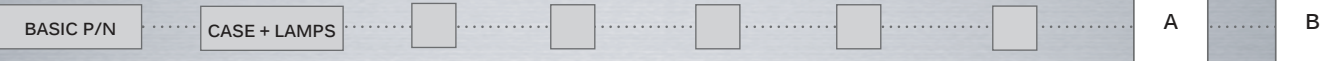
Marking by hot stamping

Other orientations : on request



ACTUATOR

SYMBOLS



XX No symbol

If no marking required, end up the part number with Actuator marking orientation (see above)

Available symbols

Complete each enlarged box with the one of the codes listed on the following pages.

Marking color

White marking for black rockers - Black marking for color rockers

Marking area

For illuminated versions. The symbol will be included in the hatched area.

