

KG series

Power rocker switches

Distinctive features and specifications



- Protected rocker
- Illuminated or non-illuminated
- VDE (EN 61058-1) approved
- Sealed to IP65

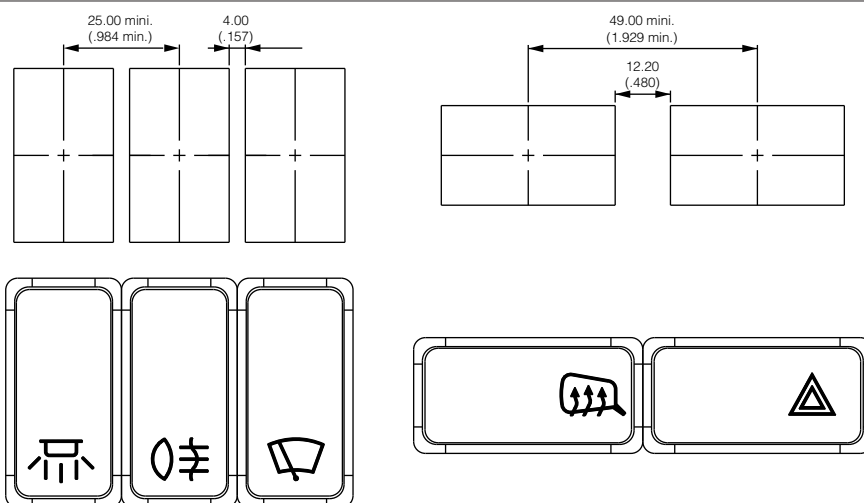
ELECTRICAL SPECIFICATIONS

- Current/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 mΩ max. at 1A 2VDC
- Insulation resistance : 1.000 MΩ 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 : 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
3 position models : -10°C to + 65°C

MATRIX MOUNTING



MATERIALS

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

AGENCY APPROVAL



12(4)A 250VAC
T85/55°C

Availability : double pole models, functions ON-OFF and ON-ON.

Marking : to order switches marked VDE, add "VDE" at the end of model number.



Packaging unit : 40 pieces



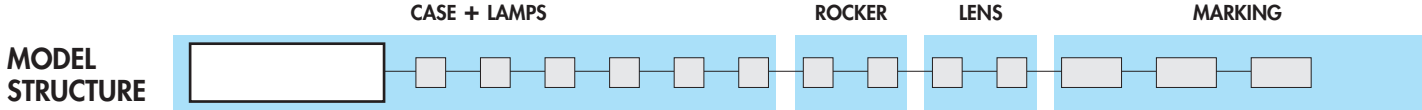
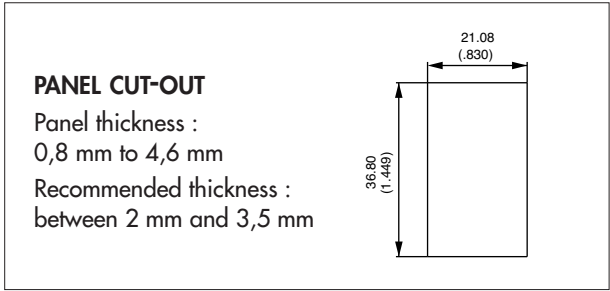
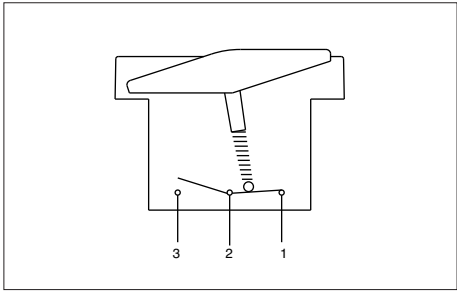
Sealing boots are available to protect the switches against dust and water. They are presented in section H.

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

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Case

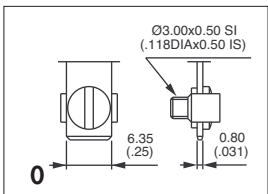
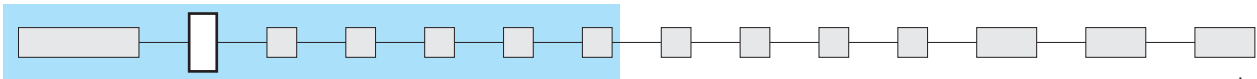


	2-3	1-2	
	5-6	4-5	
Single pole	ON	-	OFF
KG31	ON	ON	ON
Double pole	ON	ON	MOM
KG44*	ON	ON	MOM
KG44-1R*	MOM	-	ON
KG35	ON	-	ON
KG36	MOM	OFF	MOM
KG37	ON	OFF	MOM
KG38	ON	OFF	ON
KG39	ON	OFF	ON
KG45			
KG46			
KG47			
KG48			
KG49			

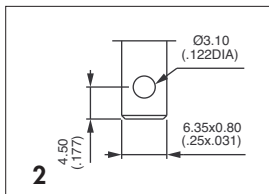
* Function 4 : single pole in double pole case

→ Flat seal

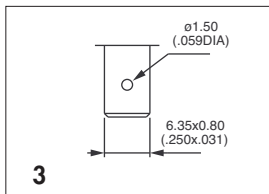
TERMINALS



0 Screw



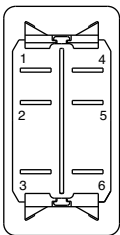
2 Solder lug / quick-connect



3 Quick-connect

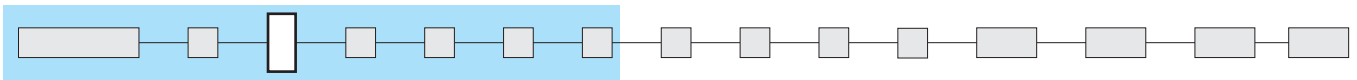
Terminals 1 to 6 are marked on the case.

Side A : terminals 1 and 4
Side B : terminals 3 and 6



Side B

CONTACT MATERIALS



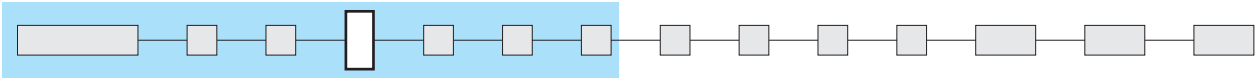
A Silver grain

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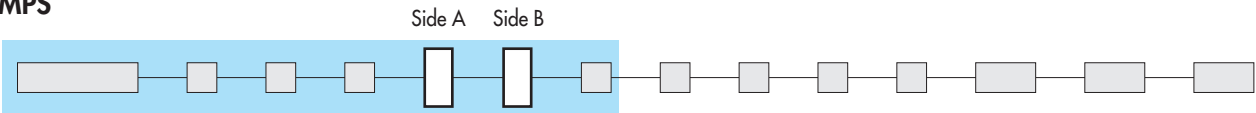
Lamps

BEZEL



2 Black, sealed to IP65

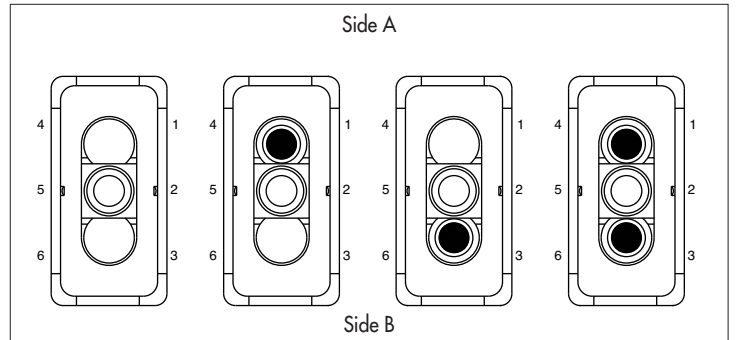
LAMPS



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

X	Without lamp
A	6V LED red
B	6V LED green
C	6V LED yellow
D	12V LED red
E	12V LED green
F	12V LED yellow
G	18V LED red
H	18V LED green
I	18V LED yellow

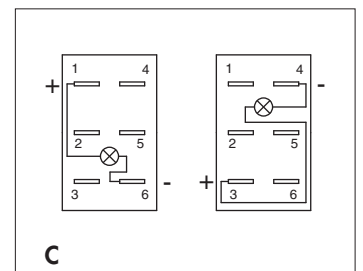
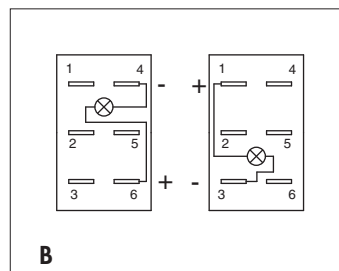
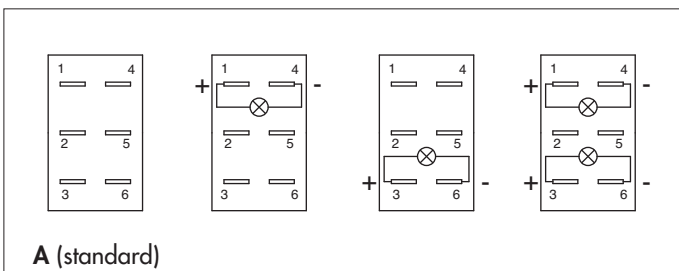
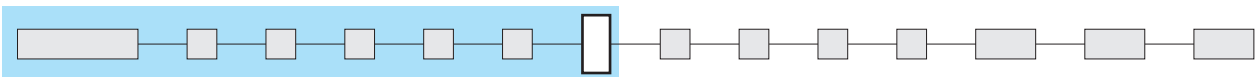
J	24V LED red
K	24V LED green
L	24V LED yellow
M	Neon 125V
N	Neon 250V
O	Filament 6V
P	Filament 12V
R	Filament 24V
S	Fluorescent 220V
T	Fluorescent 110V



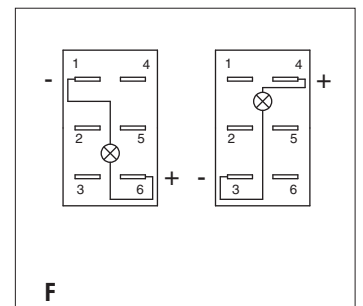
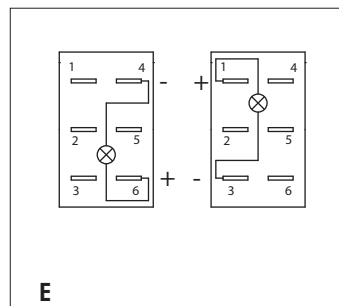
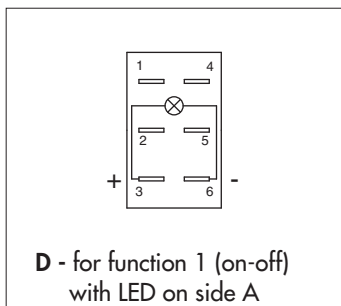
White and blue LEDs : on request.

LAMP WIRING

The lamp wiring diagram is shown on the case.



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



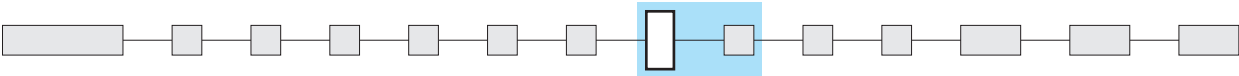
To order case only (without rocker), finish your order number with the lamp wiring code.

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Rocker - Lenses

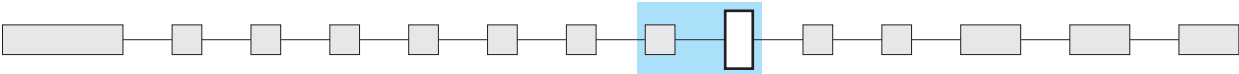
ROCKER COLOUR



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

5	Yellow
6	Red
7	Ivory
9	Orange

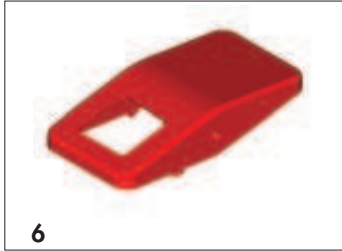
ROCKER SHAPE



1 Full rocker



4 Opening on side A



6 Opening on side B

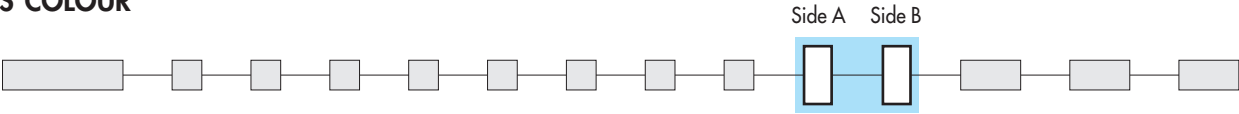


8 Opening on sides A and B

Other rocker shapes on customer specifications : on request.

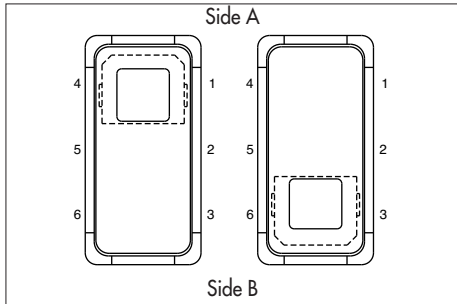
To order rocker only (without case), begin the order number with code KGR, then follow the order format from "rocker colour" until the end of the options.

LENS COLOUR



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



* Blue or green lens recommended with fluorescent lamp.

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 colour" until the end of the options.

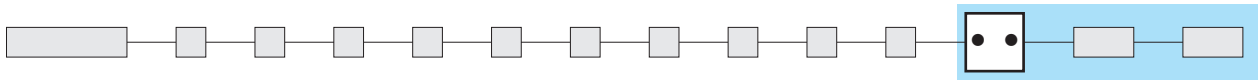
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Marking

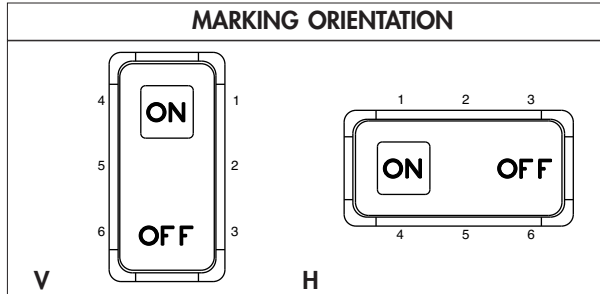
MARKING

If no marking required, leave all boxes blank.



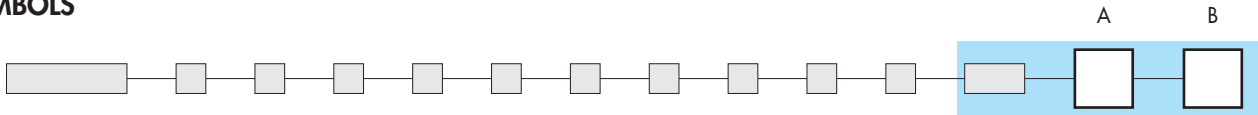
Select one option from each of the tables below.

MARKING METHOD	
C	Hot stamping



Other orientations :
on request

SYMBOLS



XX No symbol

Available symbols : see end of section D.

Marking colour

White marking for black rockers - Black marking for colour rockers
Other : on request.

Marking area

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

