

KG series

Power rocker switches

Distinctive features and specifications



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

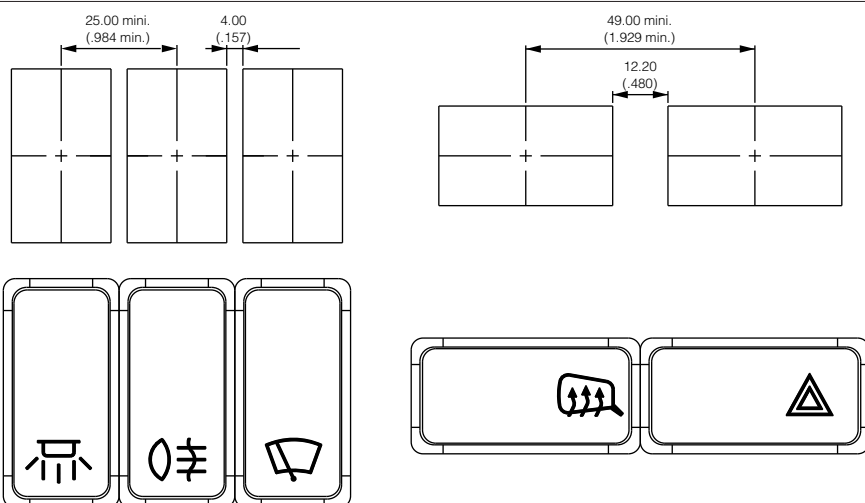
ELECTRICAL SPECIFICATIONS

- 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

EN 61058-1

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



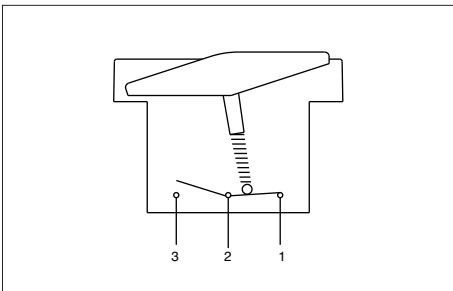
Sealing boots are available to protect the switches against dust and water. They are presented in section H.

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

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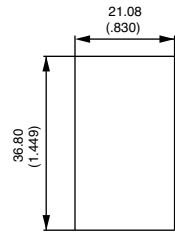
Power rocker switches

Case

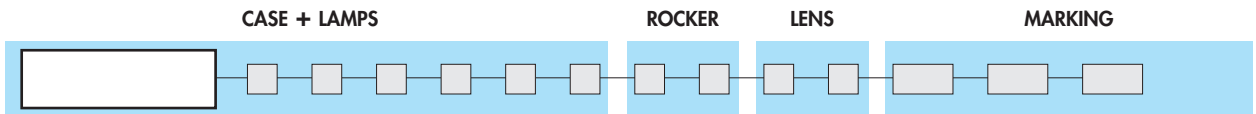


PANEL CUT-OUT

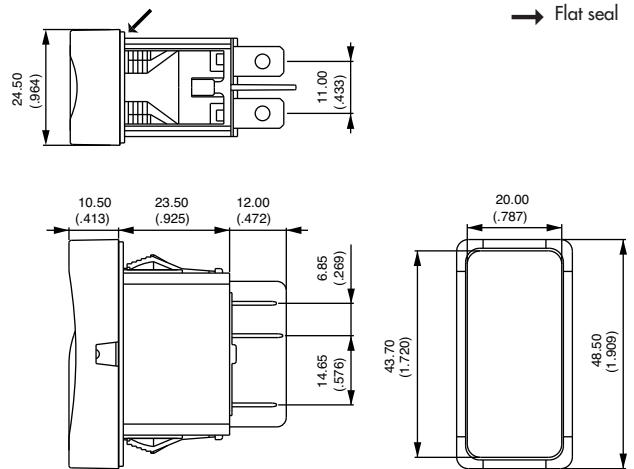
Panel thickness :
0,8 mm to 4,6 mm
Recommended thickness :
between 2 mm and 3,5 mm



MODEL STRUCTURE

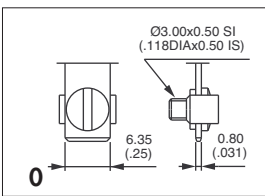
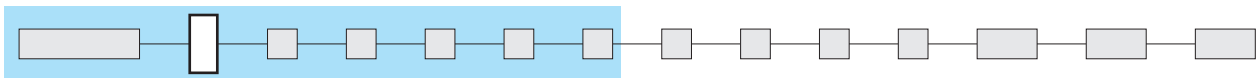


	2-3	1-2	
	5-6	4-5	
Single pole KG31			ON - OFF
Double pole KG41			ON ON ON
KG44*			ON ON MOM
KG44-1R*			MOM - ON
KG35			ON - ON
KG36			MOM OFF MOM
KG37			ON OFF MOM
KG38			ON OFF ON
KG39			

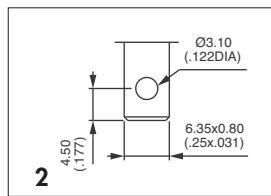


* Function 4 : single pole in double pole case

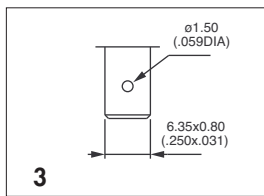
TERMINALS



Screw



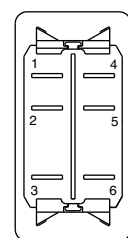
Solder lug / quick-connect



Quick-connect

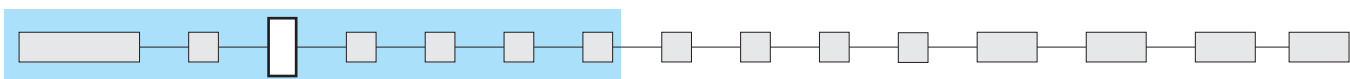
Terminals 1 to 6 are marked on the case.

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



Side B

CONTACT MATERIALS



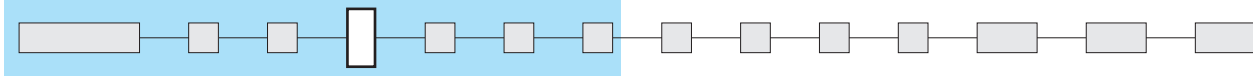
A Silver grain

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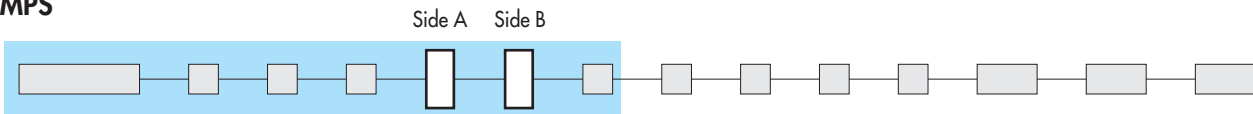
Lamps

BEZEL



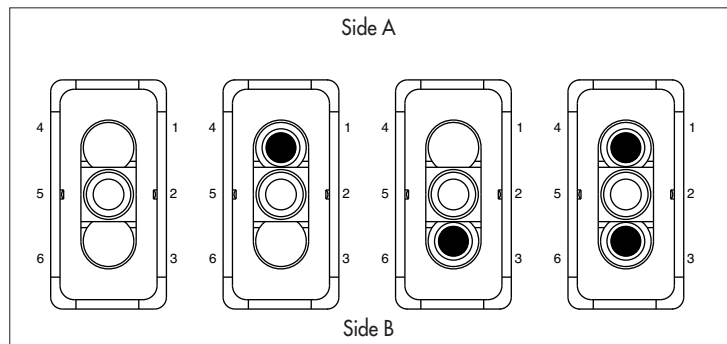
2 Black, sealed to IP65

LAMPS



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

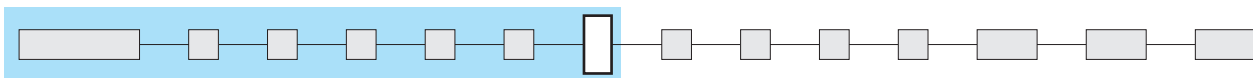
X	Without lamp	J	24V LED red
A	6V LED red	K	24V LED green
B	6V LED green	L	24V LED yellow
C	6V LED yellow	M	Neon 125V
D	12V LED red	N	Neon 250V
E	12V LED green	O	Filament 6V
F	12V LED yellow	P	Filament 12V
G	18V LED red	R	Filament 24V
H	18V LED green	S	Fluorescent 220V
I	18V LED yellow	T	Fluorescent 110V



White and blue LEDs : on request.

LAMP WIRING

The lamp wiring diagram is shown on the case.



A (standard)

B

C

D - for function 1 (on-off) with LED on side A

E

F

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

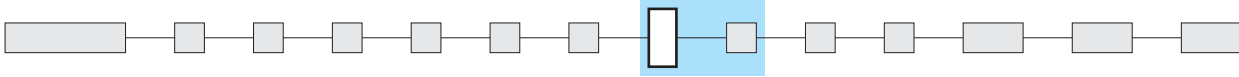
To order case only (without rocker), finish your order number with the lamp wiring code.

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Rocker - Lenses

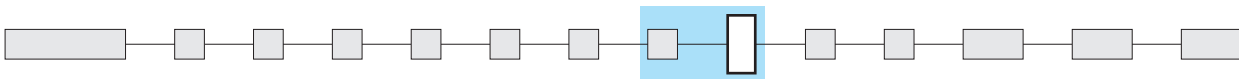
ROCKER COLOUR



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



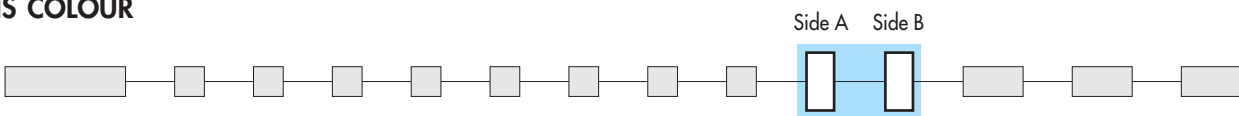
8

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.

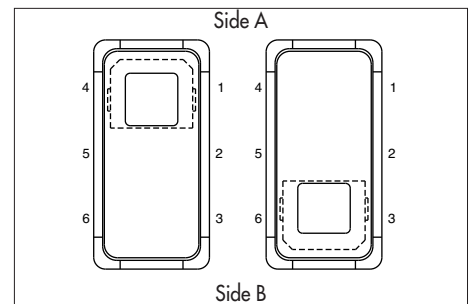
LENS COLOUR



Side A Side B

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.

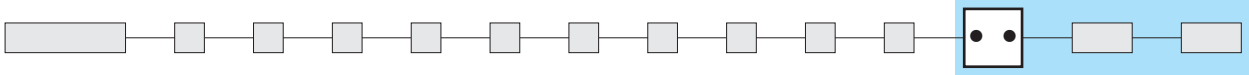
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Marking

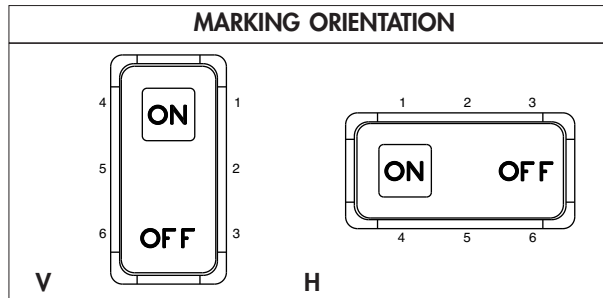
MARKING

If no marking required, leave all boxes blank.



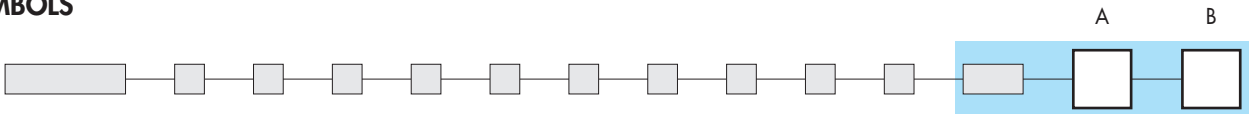
Select one option from each of the tables below.

MARKING METHOD	
C	Hot stamping



Other orientations :
on request

SYMBOLS



XX No symbol

Available symbols : see end of section D.

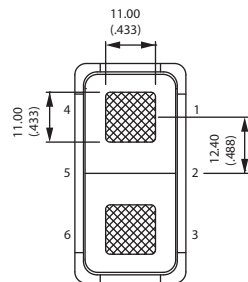
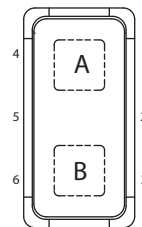
Marking colour

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.



D

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[PREDD5-07F-BB0GW](#) [999-16716-002](#) [999-16716-003](#) [999-16716-004](#) [A101J1V3Q004](#) [A101J2ZQ004](#) [A101J4ZQ004](#) [A101J51CB0004](#)
[A103J1ZQ004](#) [A201J1AQ004](#) [A201J3ZB004](#) [A201J50ZQ004](#) [A203J51ZQ0004](#) [A435S1YZQ](#) [H8500XBBBBBL-A](#) [H8653VBBG2577W](#)
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[BLACK](#) [PANEL-PLUG-VHP-WT](#) [K1ABBSCADN](#) [K2ABAAAAAA](#) [KG312A2DXD246X](#) [250011E714](#) [2600HM11E](#) [2600R21E](#)