

# KG series

## Power rocker switches

*Distinctive features and specifications*

- Illuminated or non-illuminated
- Protected rocker
- Sealed to IP 65
- Laser marking
- VDE (EN 61058-1) approved

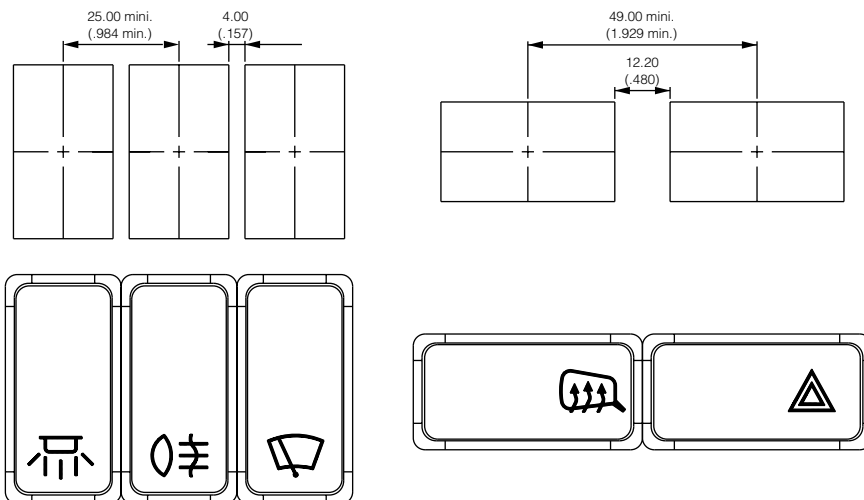
### ELECTRICAL SPECIFICATIONS

- Current/voltage rating :
  - functions 1 (ON-OFF) and 6 (ON-ON) : 15A 12VDC, 10A 24VDC, 15A 250VAC max., 10mA 14VDC min.
  - functions 4 (ON ON ON) and 4-1R (ON ON MOM) : 8A 12VDC, 5A 24VDC, 8A 250VAC max.
  - other functions : 10A 12VDC, 8A 24VDC, 10A 250VAC max.
- VDE approved ratings : 12(4)A 250VAC, T85/55°C
- 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 : IP 65
- 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
- Moisture resistance : 56 days according to IEC 68-2-3
- Operating temperature : 2 position models : -40°C to + 85°C  
3 position models : -10°C to + 65°C

### MATRIX MOUNTING



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



**Packaging unit** : 40 pieces

### MATERIALS

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

### REAR PROTECTION OR SEALING

The KG switches are also available with wire lead terminals (lead 16AWG max.) :

- Models with **protection cover**, as shown on photo below,
- Models with **rear sealing** provided by the overmoulding of terminals in a resin base.

On request.



### AGENCY APPROVAL



EN 61058-1

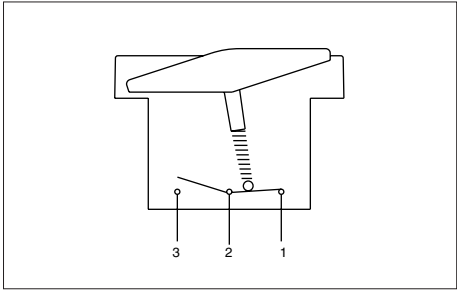
**Availability** : double pole models, functions ON-OFF and ON-ON.

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

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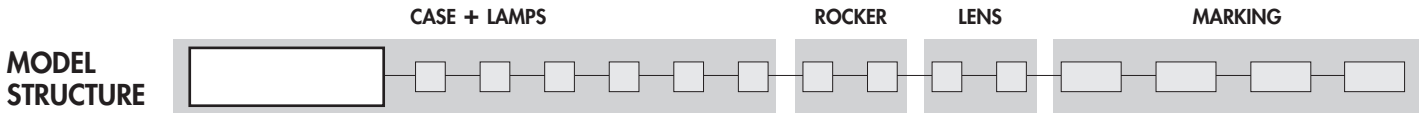
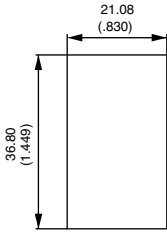
## Power rocker switches

Case



### PANEL CUT-OUT

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



	2-3	1-2	
	5-6	4-5	
Single pole	ON	-	OFF
<b>KG31</b>	ON	ON	ON
Double pole	ON	ON	MOM
<b>KG41*</b>	MOM	-	ON
<b>KG44*</b>	ON	-	ON
<b>KG35</b>	MOM	OFF	MOM
<b>KG45</b>	ON	OFF	MOM
<b>KG36</b>	ON	OFF	MOM
<b>KG46</b>	ON	OFF	ON
<b>KG37</b>	ON	OFF	ON
<b>KG47</b>	ON	OFF	ON
<b>KG38</b>	ON	OFF	ON
<b>KG48</b>	ON	OFF	ON
<b>KG39</b>	ON	OFF	ON
<b>KG49</b>	ON	OFF	ON

\* Function 4 : single pole in double pole case

→ Flat seal

### TERMINALS

**0**  
Screw

**2**  
Solder lug / quick-connect

**3**  
Quick-connect

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

### CONTACT MATERIALS

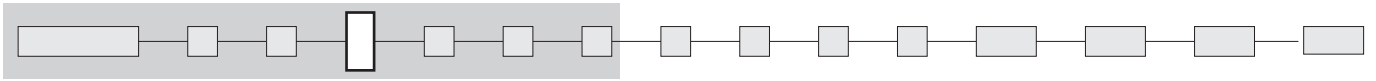
**A** Silver grain  
Functions ON-OFF and ON-ON : 15A 12VDC , 10A 24VDC , 15A 250VAC max. - 10mA 14 VDC min.  
Other functions : 10A 12VDC, 8A 24VDC, 10A 250VAC max.

# KG series

## Power rocker switches

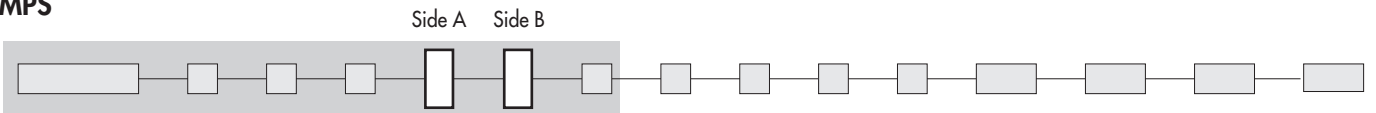
Lamps

### BEZEL



2 Black, sealed to IP 65

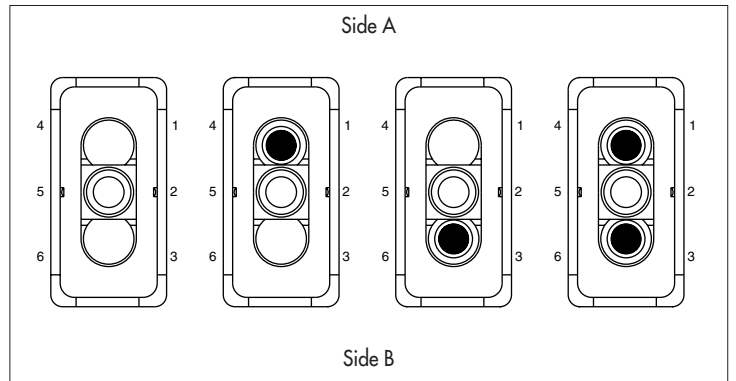
### LAMPS



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

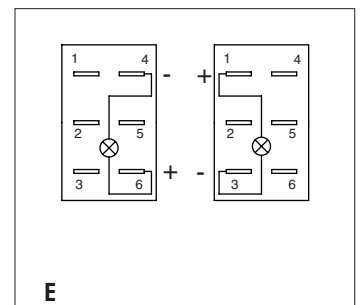
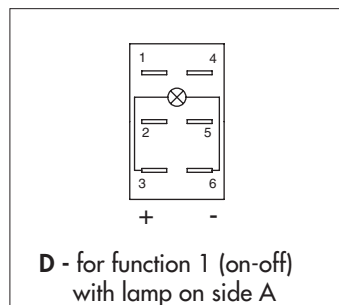
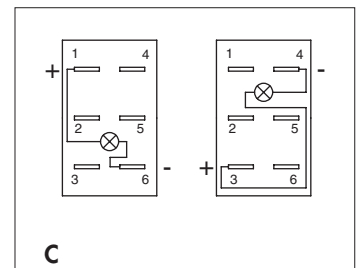
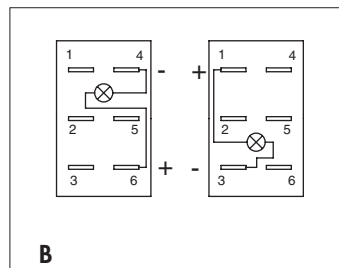
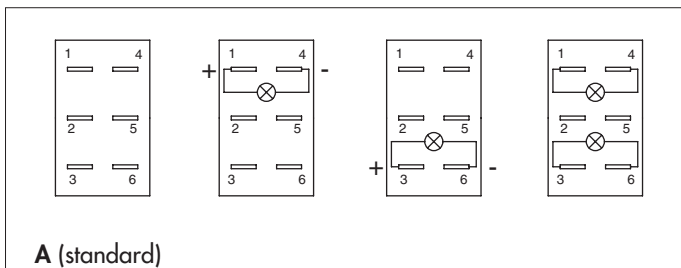
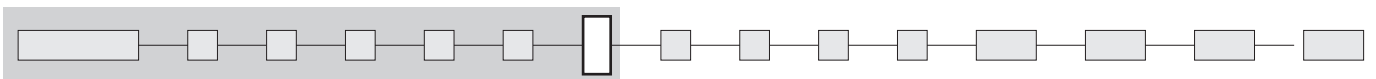
X	Without lamp
A	6V LED red
B	6V LED green
C	6V LED yellow
D	12V LED red
E	12V LED green
F	12V LED yellow
G	18V LED red
H	18V LED green
I	18V LED yellow

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



### LAMP WIRING

The lamp wiring diagram is shown on the case.



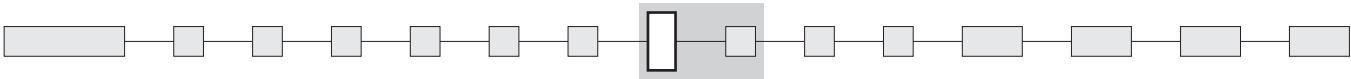
To order case only (without rocker), finish your order number with the lamp wiring code.

# KG series

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*Rockers - lenses*

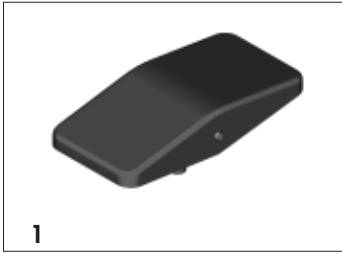
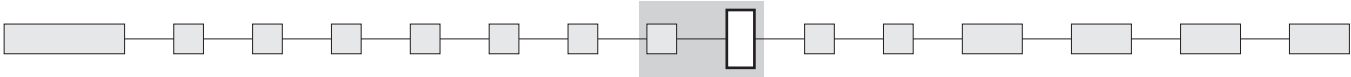
### ROCKER COLOUR



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

5	Yellow
6	Red
7	Ivory
9	Orange

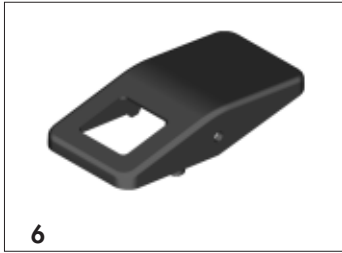
### ROCKER SHAPE



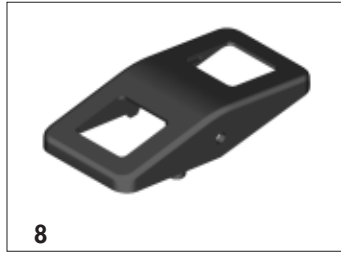
1 Full rocker



4 Opening on side A



6 Opening on side B

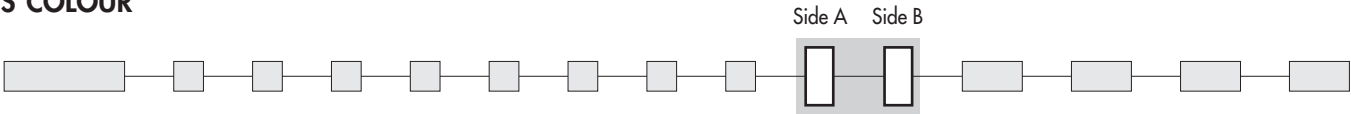


8 Opening on sides A and B

Other rocker shapes on customer specifications : on request.

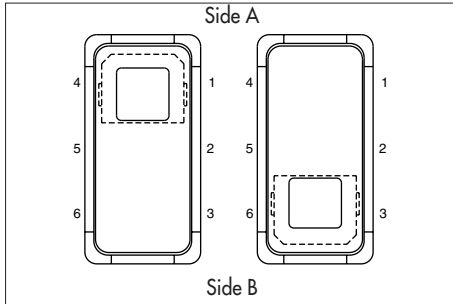
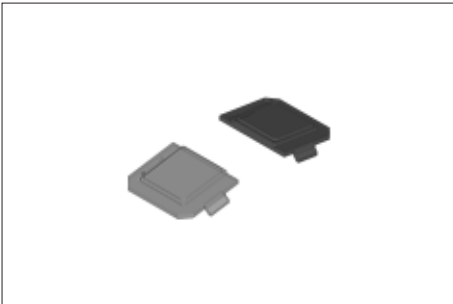
To order rocker only (without case), begin the order number with code KGR, then follow the order format from "rocker colour" until the end of the options.

### 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.

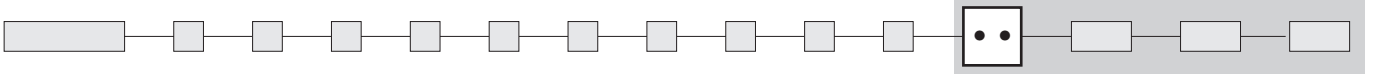
# KG series

## Power rocker switches

Marking

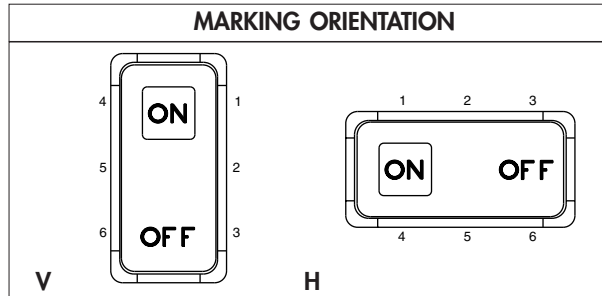
### MARKING

If no marking required, leave all boxes blank.



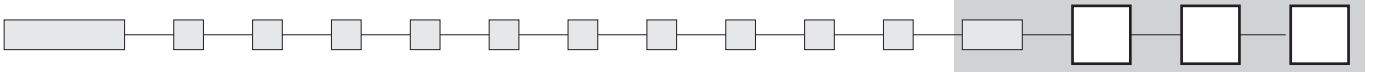
Select one option from each of the tables below.

MARKING METHOD	
L	Laser (on request)
C	Hot stamping



Other orientations :  
on request

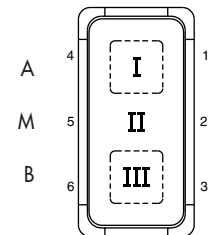
### SYMBOLS



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

CODE	SYMBOL	DESCRIPTION
XX	None	-
01	ON	-
02	OFF	-
03	○	-
04		-
05		-
06	STOP	-
07	A	Stop
08	M	Motion
09	△	Up motion

CODE	SYMBOL	DESCRIPTION
10	▽	Down motion
11	☀	Hot
12	✱	Cold
13	△	Hazard lights
14	☀	Traveller lighting
15	☀	Driver lighting
16	☀	Revolving light
17	☀	Rear ventilator
18	☀	Heating
19	☀	Door opening



20	☀	2 1	Windshield demister/defroster
21	☀	2 1	Windshield wiper
22	☀		Windshield washer
23	☀		Ventilator
24	☀		Side mirror defroster
25	☀		Restarting pump
26	☀		Front fog lights
27	☀		Rear fog lights