

# 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

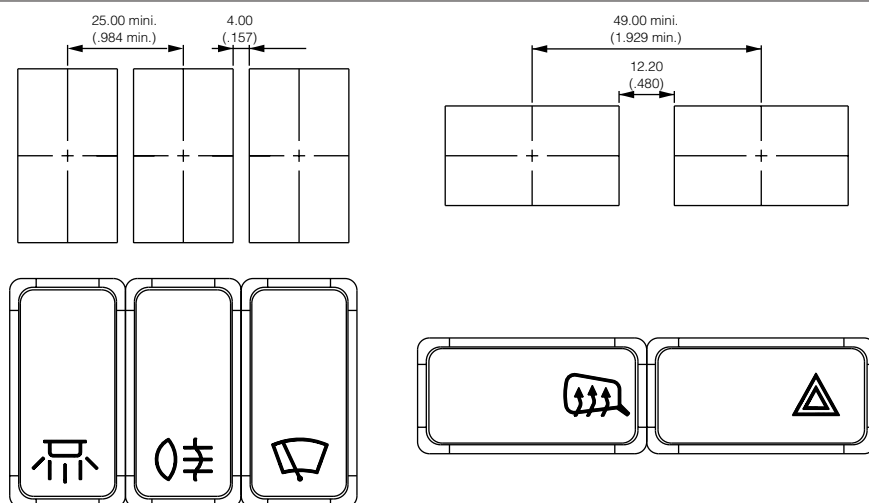
### ELECTRICAL SPECIFICATIONS

- 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



### 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.

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

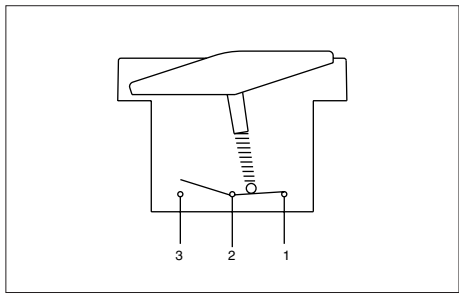


**Packaging unit** : 40 pieces

# KG series

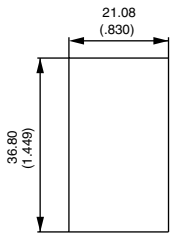
## Power rocker switches

Case

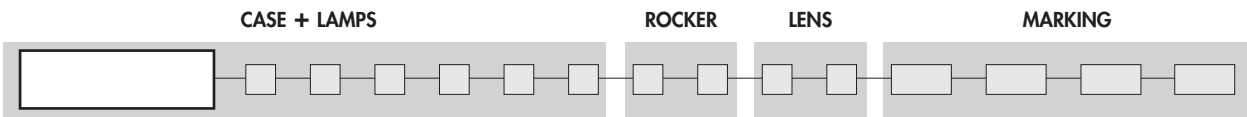


### PANEL CUT-OUT

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



### MODEL STRUCTURE



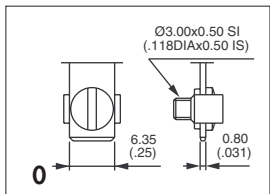
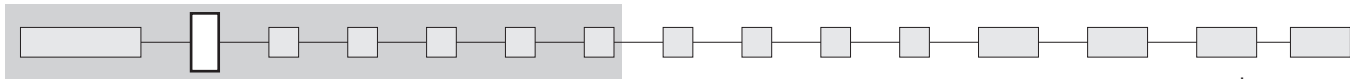


|                     |                     | 2-3<br>5-6  | 1-2<br>4-5 |
|---------------------|---------------------|-------------|------------|
| Single pole<br>KG31 | Double pole<br>KG41 | ON - OFF    |            |
|                     | KG44*               | ON ON ON    |            |
|       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

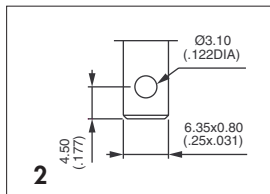
\* Function 4 : single pole in double pole case

→ Flat seal

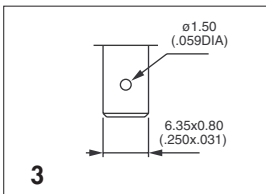
### TERMINALS



Screw



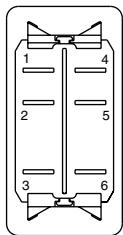
Solder lug / quick-connect



Quick-connect

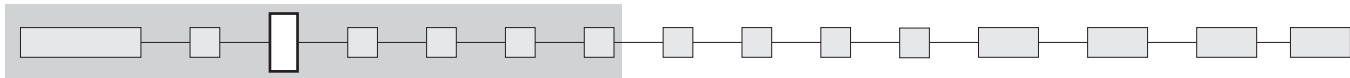
Terminals 1 to 6  
are marked on the case.

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



Side B

### CONTACT MATERIALS



A

Silver grain

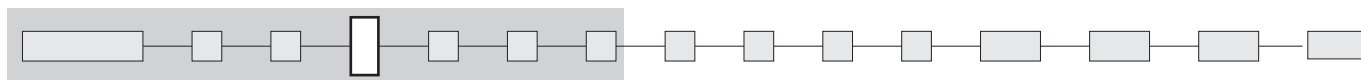
Functions ON-OFF and ON-ON : 15A 12VDC , 10A 24VDC, 15A 250VAC max. - 10mA 14 VDC min.  
Other functions : 10A 12VDC, 8A 24VDC, 10A 250VAC max.

# KG series

## Power rocker switches

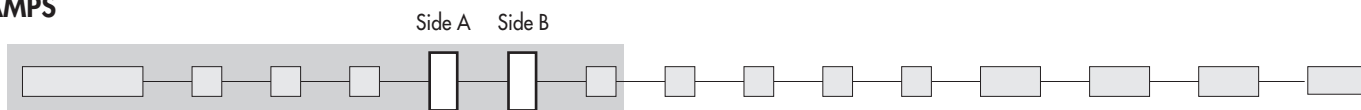
Lamps

### BEZEL



2 Black, sealed to IP 65

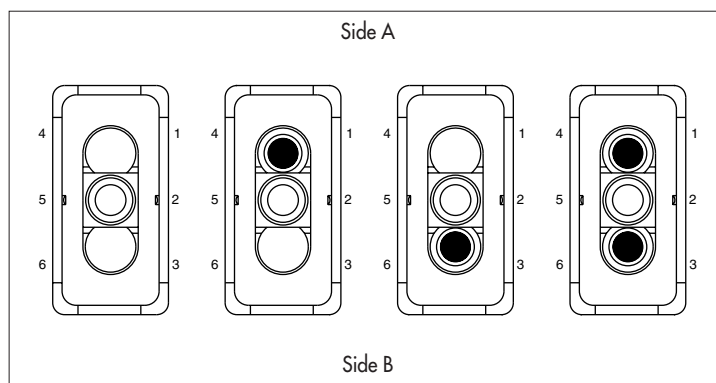
### LAMPS



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

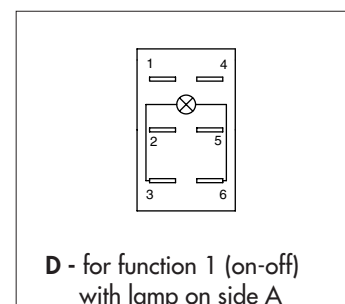
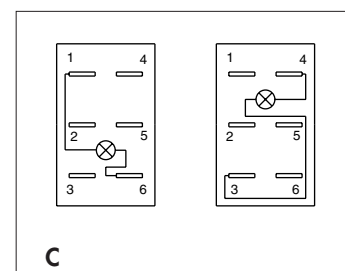
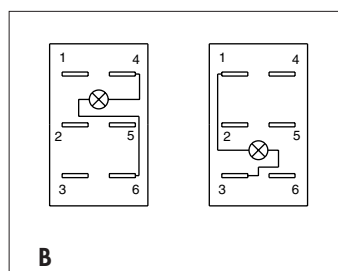
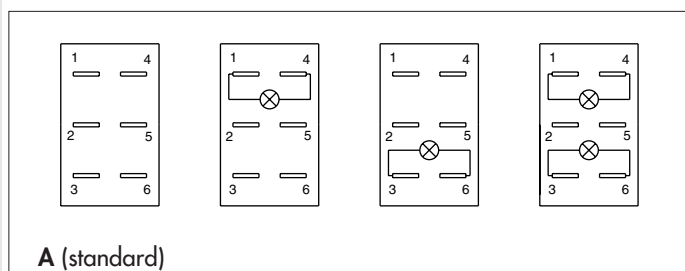
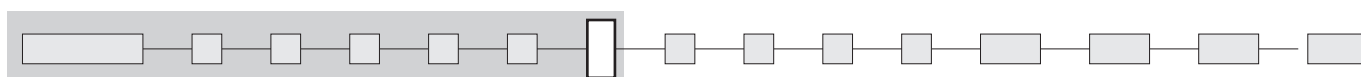
|   |                |
|---|----------------|
| X | Without lamp   |
| A | 6V LED red     |
| B | 6V LED green   |
| C | 6V LED yellow  |
| D | 12V LED red    |
| E | 12V LED green  |
| F | 12V LED yellow |
| G | 18V LED red    |
| H | 18V LED green  |
| I | 18V LED yellow |

|   |                  |
|---|------------------|
| 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.



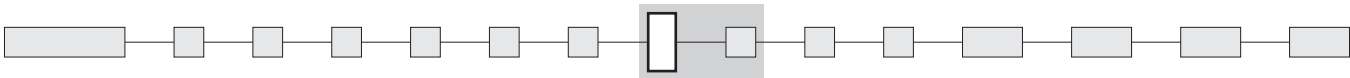
To order case only (without rocker), finish your order number with the lamp wiring code.

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*Rockers - lenses*

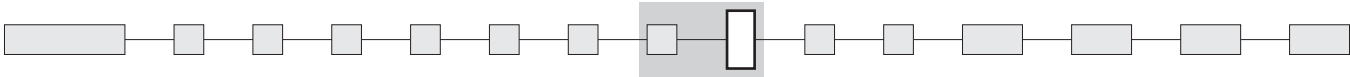
### ROCKER COLOUR



|     |           |
|-----|-----------|
| 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

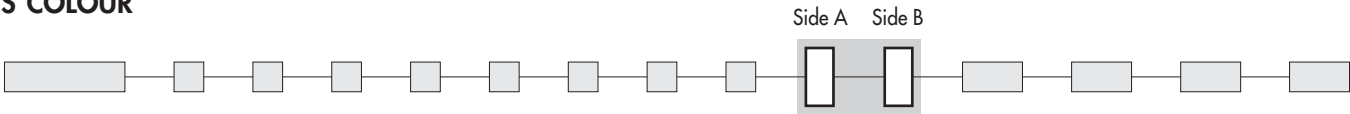


8  
Opening on sides A and B

Other rocker shapes on customer specifications : on request.

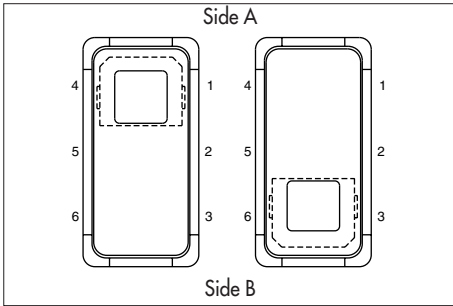
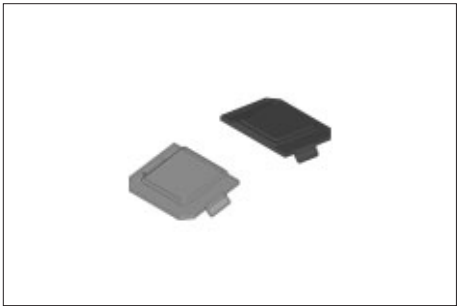
To order rocker only (without case), begin the order number with code KGR, then follow the order format from "rocker colour" until the end of the options.

### 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.

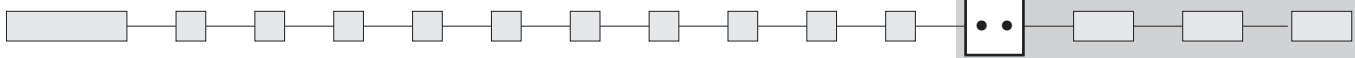
# KG series

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### Marking

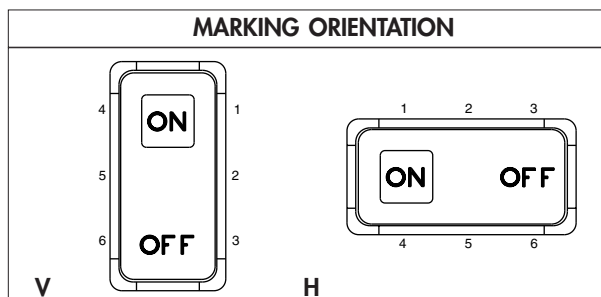
#### MARKING

If no marking required, leave all boxes blank.



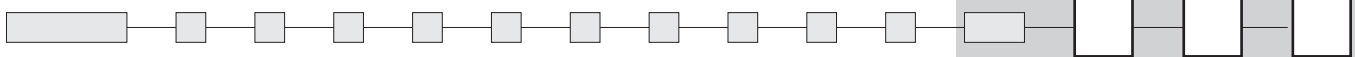
Select one option from each of the tables below.

| MARKING METHOD |                    |
|----------------|--------------------|
| L              | Laser (on request) |
| C              | Hot stamping       |



Other orientations :  
on request

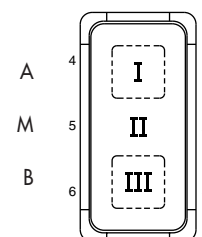
#### SYMBOLS



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