## Rotary switches



(2)


## The range of possibilities :

(1) Functional and ergonomic button heads

- Flush or projecting bezels for $\varnothing 22$ or $\varnothing 30 \mathrm{~mm}$ cutouts.
- With handle, paddle, key, 5 -sided key.
- Metal (with key) or plastic material.

4 standard colours (contact us for other colours).
(2) Choice of connections

- Screws and brackets or washers, IP2 protection.
- Single or double tabs for 6.35 mm lugs straight, $90^{\circ}, 45^{\circ}$.
(Contact us for other connection types)
- Tapping for earthing.
(3) Contacts
- Rotary system with cams.
- Contact identification per the standards..
(4) Modular electrical stack
- From 1 to 8 tiers

2 lateral contacts per tier.

- Provide for a very wide range of electrical schematics.
(5) Watertight and robust
- High mechanical resistance (versions with metal heads)
- Watertight mechanism : IP66 to IP67 with metal gasket.
- Tropicalisation.
(6) Rugged mode of attachment
- Moulded metal body.
- Attachment by punch screws (self-locking, anti rotation) garanteeing excellent resistance to shock and vibration.

The modular design of MAFELEC's control and signalling components provides for a multitude of combinations and adaptations.
The examples illustrated in this catalogue only represent a fraction of designs produced by our Design Office every day for our customers.

All alternative solutions can be designed from the basic elements, to produce the desired fuction.



Our equipment complies with the European RoHs directive, restricting the use of certain dangerous substances in electrical equipment.

## Rotary switches

Compliance with standards

## Certification

Protective finish

| Vibration resistance |
| :--- |
| Storage temperature |
| Operating temperature |
| Protection against accidental |
| contact with active circuits |
| Fire resistance |
| Degree of protection |

Mechanical service life in million
switching cycles

IEC NF EN 60947-5-1, IEC NF EN 60077-2
Tropicalisation (operating $+40^{\circ} \mathrm{C}$
with 95\% humidity) per IEC NF EN 60068-2-3 and IEC NF EN 60068-2-30

IEC NF EN 60068-2-6 and IEC NF EN 61373
$-40^{\circ} \mathrm{C}$ to $+85^{\circ} \mathrm{C}$ per IEC NF EN 60068-2-1, IEC NF EN 60068-2-2
$-25^{\circ} \mathrm{C}$ to $+70^{\circ} \mathrm{C}$ per IEC NF EN 60068-2-1, IEC NF EN 60068-2-2

IP2x per IEC NF EN 60529 with protector

EN 45545

IEC NF EN 60529, IP67 with TJ seal and capped head
0.3

Characteristics of the contact elements

| Rated thermal current |
| :--- |
| Rated insulation voltage |
| Rated surge voltage |
| Contact operation type |
| Activation force |

Contact material

Maximum number of contacts
Terminal markings
Operating power

Ith $=20 \mathrm{~A}$ per IEC NF EN 60947-5-1
$\mathrm{Ui}=630 \mathrm{~V}$ per IEC NF EN 60947-5-1 and IEC NF EN 60077-2
6 kV per IEC NF EN 60947-5-1 and IEC NF EN 60077-2
Slow make depending action

From 1 to 4 stacks : 0,5 Nm
From 5 to 8 stacks : 0,8 Nm

Standard: AgNi
Harsh environment : AgPd
Low-current : AgPd gold flash

16 (8 stacks)
Per IEC NF EN 60947-5-1
AC-12 : 230V/15A \& 400V/8A
AC-15 : 230/8A \& 400V/8A
DC-12 : 24V/15A \& $110 \mathrm{~V} / 8 \mathrm{~A}$
DC-13 : 24V/4A \& 110V/1A

Screw and bracket: min. $1 \times 0.22 \mathrm{~mm}^{2}$, max. $2 \times 2.5 \mathrm{~mm}^{2}$
Single or double tab for 6.35 mm clip.
Special connection on request

Standard drawing for round head rotary switches

