

## ADVANTAGE

High rating

## Suitable for harsh environments

High reliability
Numerous versions

## Attractive, flexible design

EXAMPLES OF APPLICATION
$\rightarrow$ Recreational vehicles
$\rightarrow$ Cleaning equipment
$\rightarrow$ Canteen kitchen and catering technology
$\rightarrow$ Power tools
$\rightarrow$ Laboratory equipment
$\rightarrow$ Illumination
$\rightarrow$ Garden technology

## PRODUCT FEATURES

$\rightarrow$ Up to 20 A and UL 1 HP , inrush peak currents up to 120 A , versions with 400 AC approval available
$\rightarrow$ With bellow seal, protected against dust and water (IP 65)
$\rightarrow$ Switching system, tried and tested 100 million times
$\rightarrow$ Illuminated and non-illuminated versions, different terminal versions and switching functions available
$\rightarrow$ Rocker and bellows available in different colors and with various prints (also customer specific )

| Rating <br> $\rightarrow$ Europe <br> $\rightarrow$ America | 20 (4) A 250 V AC 1E4 <br> 10 (8) A 250 V AC 5E4 <br> 16 A 125-250 V AC <br> 125 V AC 1/3 HP or 250 V AC 1 HP |
| :---: | :---: |
| Mechanical life | 5E4 |
| Actuating force | 3-8N |
| Inrush peak current (capacitive) | 120 A; 100 A (basic type 1939); <br> 50 A (basic type 1934) |
| Contact resistance (new condition) | < 100 mOhm (1 A 12 V DC) |
| Insulation resistance (new condition) | > 100 MOhm (500 V DC) |
| Creep resistance | 250 PTI |
| Protection type | IP 65 (recessed installation) |
| Ambient temperature <br> $\rightarrow$ Terminal side <br> $\rightarrow$ Actuator side | $\begin{aligned} & -30^{\circ} \mathrm{C} \ldots+105^{\circ} \mathrm{C} \\ & -30^{\circ} \mathrm{C} \ldots+55^{\circ} \mathrm{C} \end{aligned}$ |
| Flammability | UL 94 V-2, UL 94 V-0 (housing and socket only) |
| Glow wire test temperature | $850{ }^{\circ} \mathrm{C}$ |
| Material Actuator Material Housing Material Terminal | PC / TPU (bellows) <br> PA <br> Silver-plated |
| Plug force of the terminals | $\leq 80 \mathrm{~N}$ |
| Approval marks |  |
| Suitable for appliances of protection class II |  |

## VARIANTS

| Basic type | Illuminated | Switching function | Terminal type | Miscellaneous |
| :--- | :--- | :--- | :--- | :--- |
| 1932 |  | ON/OFF and momentary <br> (DPST, DPNO, DPNC) | Quick-connect terminal 6.3 <br> Quick-connect terminal 4.8 |  |
| 1934 | $\bullet$ | Changeover switch <br> (DPDT) and momentary | Quick-connect terminal 6.3 <br> PCB terminal |  |
| 1935 | ON/OFF (DPDT, DPNO) | Quick-connect terminal 6.3 | $12 \mathrm{~V}, 24 \mathrm{~V}$, <br> $125 \mathrm{~V}, 400 \mathrm{~V}$ |  |
| 1939 |  | Changeover switch with <br> OFF position in the center (DPDT); <br> Momentary on one or both sides | Solder terminal, <br> Quick-connect terminal 6.3 | Gold contacts |

## DRAWINGS

(Dimensions in mm)

| Cut-out |  |  |
| :---: | :---: | :---: |
| Wall thickness | $\mathbf{Y}$ | $\mathbf{Z}$ |
| $0.75-1.25$ | $30.0^{-0.1}$ | $22.0^{+0.2}$ |
| $1.25-2.00$ | $30.2^{-0.1}$ | $22.0^{+0.2}$ |
| $2.00-3.00$ | $30.6^{-0.1}$ | $22.0^{+0.2}$ |



## RECOMMENDED MOUNTING

(Recessed for optimum protection against dust and water)


MARQUARDT

