

Metal Switch Medium Stroke, Switching Voltage up to 36 VDC



MCS ES 18

See below:

**Approvals and Compliances**

**Description**

- Vandal-proof momentary switch with a diameter of 18 mm
- Assembly by mounting with nut
- Clip for Pins

**Characteristics**

- Housing and actuator material: high-quality stainless steel
- Rugged design, protection against vandalism
- For use in harsh environments, both indoors and outdoors (see technical data)

**Weblinks**

[html-datasheet](#), [General Product Information](#), [CAD-Drawings](#), [Product News](#), [Detailed request for product](#)

**Technical Data**

**Electrical Data**

**Contact Material Silver**

Switching Voltage	min. 3 VAC/VDC max. 36 VDC / 220 VAC
Switching Current	min. 5 mA AC/DC max. 2 A DC / 0.5 A AC
Rated Switching Capacity	72 W (DC) , 110 W (AC)
Lifetime	200'000 actuations (36 VDC) 50'000 actuations (220 VAC)
Contact Resistance	< 50mΩ
Insulation Resistance	> 1'000 MΩ
Duration of Bounce	< 10 ms

**Mechanical Data**

Actuating Force	4 N
Actuating Travel	1.8 mm,
Lifetime	1 million actuations
Shock Protection	IK 09
Tightening Torque	0.8 Nm

**Climatical Data**

Operating Temperature	-20 to +55 °C
Storage Temperature	-20 to +55 °C
IP-Protection	IP 65 from front side, ,

**Material**

Contact Material	Ag
Housings	Stainless Steel
Actuator unlettered	Stainless Steel

**Approvals and Compliances**

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)


**Product standards**

Product standards that are referenced

Organization	Design	Standard	Description
	Designed according to	EN 50102	Switches for appliances. Part 1. General requirements

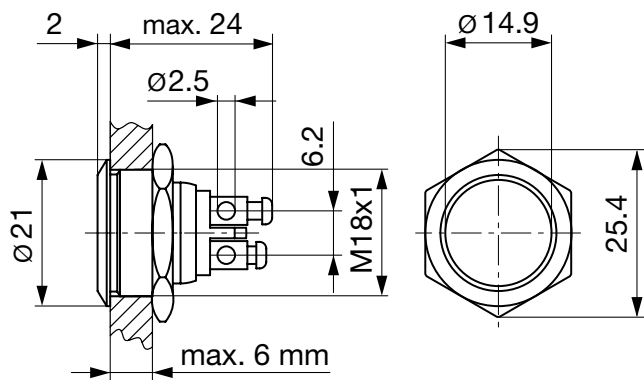
**Application standards**

Application standards where the product can be used

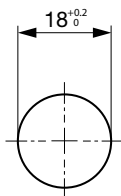
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.

**Compliances**

The product complies with following Guide Lines

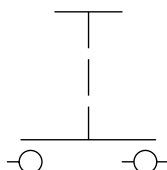
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### Drilling diagram

## MCS ES 18



### All Variants

Switching Current	Switching Voltage	Contact Material	Shock Protection	Torsion Protection	IP Protection Class Front Side	Config. Code	Order Number
[A]	[VAC/ VDC]						
2 A DC	36 VDC	Ag	IK 09	no	IP 65	MCS ES 18	<a href="#">1301.9560</a>

Nut with gasket are enclosed in the box.

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**Packaging unit**      40 in cardboard box

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- Actuating elements in ESD safe packaging
  - Screw nuts and sealing rings in a bag (enclosed in the box)
  - Micro switches (enclosed in the box)
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