



Microswitches and sealed position switches

If your application depends on it

SERIES MP800

- Plastic or metal case
- IP65-66 protection
- 30 mm, 40 mm or 50 mm case width
- Forced break switches with slow action or snap action

Safety and limit switches



Series MP800

The family MP800 of safety and limit switches with their metal or plastic housing are ideally suited to application where precise shutdown is required. For example when the positions of doors and access hatches are monitored.

They can be used in safety circuits as the NC contact is positively-opening in compliance with IEC 60 947-5-1.



Major specifications

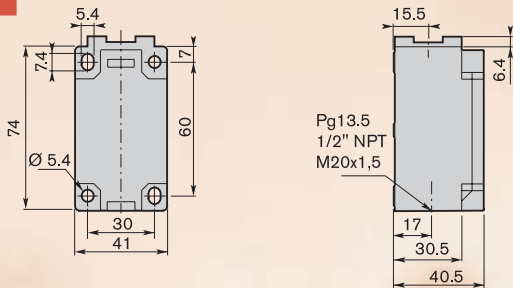
- Metal or plastic housing
- Forced break switch with slow action or snap action
- IP65 or 66 protections
- Positive opening operation for NC contacts
- Standards: UL – CSA
- Large selection of actuating heads

General technical data

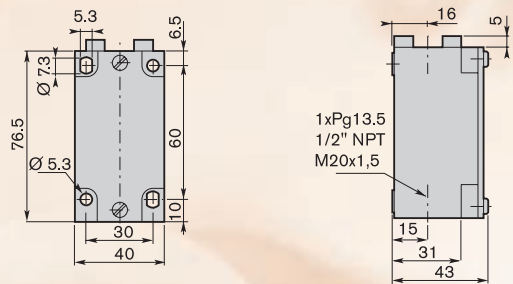
	MP800-MP810-MP850	MP820-MP830-MP870
Housing	Plastic	Metal
Standards device conforms with	IEC 947-5-1	IEC 947-5-1
Operating temperature	-25°C to +70°C/-13°F to +158°F	-25°C to +70°C/-13°F to +158°F
Degree of protection	IP65	IP66
Mechanical life	up to 30 million operations	up to 30 million operations
Switching frequency	3600 operations per hour	3600 operations per hour
Switching mechanism	forced break slow action or snap action	interruption forcée slow action or snap action
RATING		
Conventional thermal current	10A	10A
Short circuit protection	10A	10A
Rated operational current	<ul style="list-style-type: none"> • 240VAC AC-15 3A • 250VDC DC-13 0.27A 	<ul style="list-style-type: none"> AC-15 3A DC-13 0.27A

Dimensions (in mm) EN 50 041

MP850

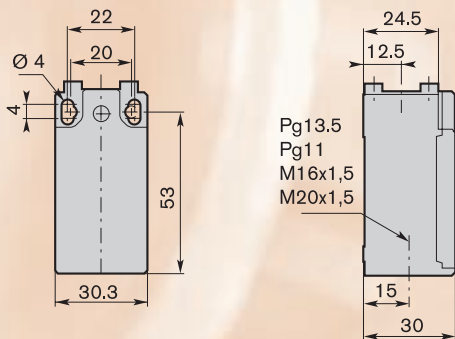


MP870

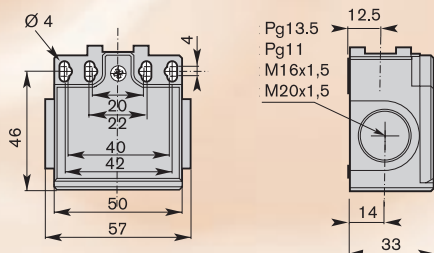


Dimensions (in mm) EN 50 047

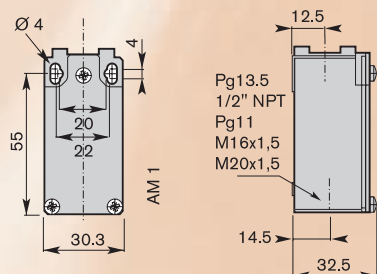
MP800



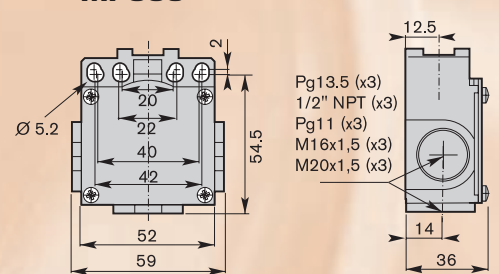
MP810



MP820



MP830



MP8 0 0 - 0 - 0 0 0 0

Case

EN 50 047

- 0 plastic 30 mm
- 1 plastic 50 mm
- 2 metal 30 mm
- 3 metal 50 mm

EN 50 041

- 5 plastic 40 mm
- 7 metal 40 mm

Opening

- 1 PG 13.5
- 2 1/2" NPT, with optional adapter (MP 810)
- 3 PG 11, only for EN 50 047
- 4 M16, only for EN 50 047
- 5 M20

Switching Block

- 1 Snap-action, 1NO+1NC
- 2 Snap-action, 2NC
- 3 Slow-action, non-overlapping, 1NO+1NC
- 4 Slow-action, overlapping, 1NO+1NC
- 5 Slow-action, 2NC

EN 50 041

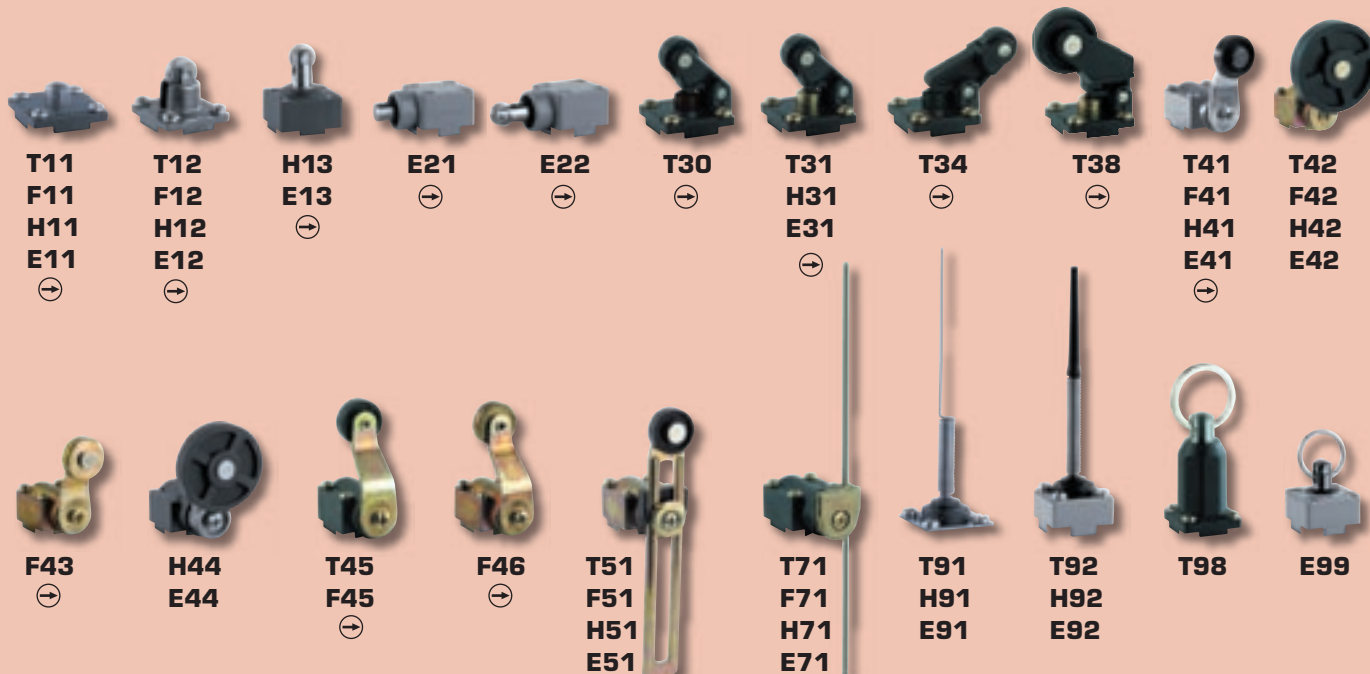
- 6 Slow-action, non-overlapping, 2NO+1NC
- 7 Slow-action, non-overlapping, 1NO+2NC
- 8 Slow-action, simultaneous, 3NC

Actuator

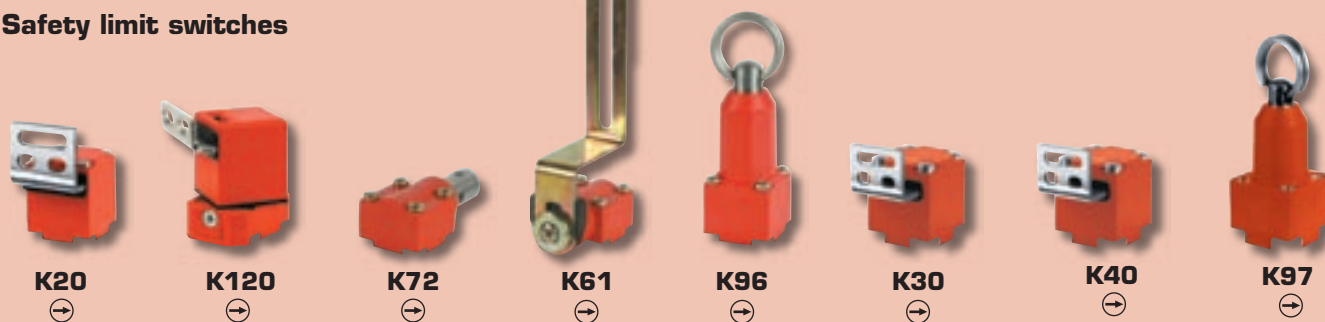
See pictures

Actuators

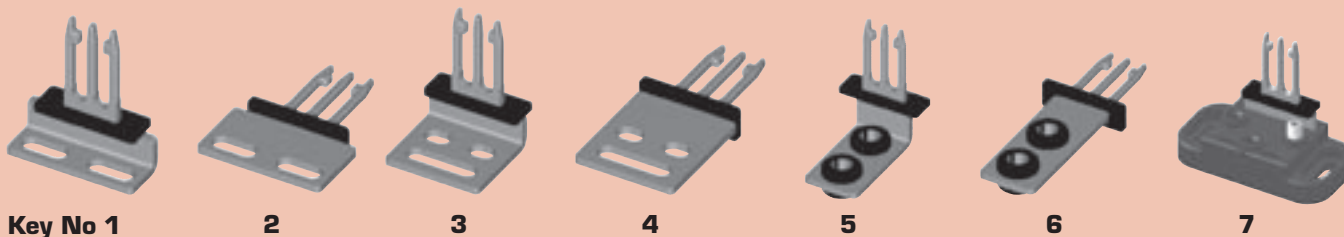
Limit switches



Safety limit switches



Operating keys (to be ordered separately)



T Plastic case EN 50 047
F Metal case EN 50 047
H Plastic case EN 50 041
E Metal case EN 50 041
K Safety limit switch

⊕ Positively-opening acc. to IEC 60 947-5-1

MP800 position switches

Ideally suited for rugged industrial applications

Wide product range

With a wide range of actuators in line with the functions that are required in the field, the MP800 position switches can be used to:

- Monitor protective devices with hinged joints, such as swivelling doors, hatches, covers, etc.
- Monitor protective devices which can be moved sideways, such as sliding doors, protective gates, etc.
- Detect hazardous machinery motion; dimensions, mounting locations and characteristic values, are to a large extent, in conformance with EN 50 041 and EN 50 047.

Positively-opening contacts (IEC 60947-5-1)

Positively-opening NC contacts are expressly specified for the electrical equipment of machines.

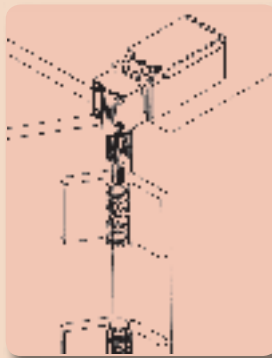
This is designated using the \ominus symbol in compliance with IEC 60 947-5-1 (personnel protection function).

Safety is done on contacts NC.

Examples of applications



Key safety switch



Shaft safety switch



Z lever safety switch



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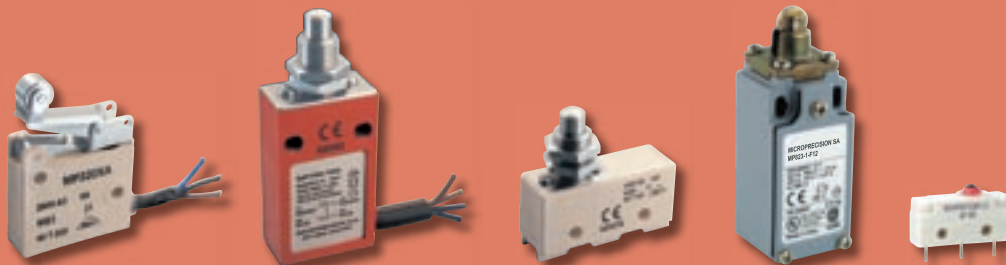
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Trust more than 50 years of experience!

Companies, whose activities encompass such different areas as food processing, chemicals, machine-tools, transport, etc., have long been placing their trust in Microprecision Electronics SA; indeed, they have found them to be a first-class and reliable partner, able to supply tailor-made products which meet international standards.

56 basic types of switches and more than 1000 possibilities let to you foresee the number of possible applications in industries where a harsh environment requires the highest technological competences.

Microprecision Electronics SA has set itself the task of listening to its clients' expectations so that it can provide them with tailor-made solutions from the production of small runs.



For more information, please contact one of our resellers
or visit our website: www.microprecision.ch

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