

## Datasheet - MAF/S 441-11Y

Position switch / medium heavy Position switch / MAF/S 441



(Minor differences between the printed image and the original product may exist!)

- Level switch for silos and storage containers
- Aluminium enclosure, Detection cone
- Can be actuated from any direction
- Disabling at 30° deflection or in case of pressure from the bottom
- 1 Normally open contact (NO) / 1 Opener (NC)
- Mounting position vertical
- Ambient temperature -30 ... +90
- Protection class IP65


### Ordering details

Product type description	MAF/S 441-11Y
Article number	103006789
EAN Code	
eCl@ss	27-27-06-01

### Approval

Approval	-
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### Global Properties

Permanent light	MAF/S 441 Niveauschalter
Standards	EN 60947-5-1
Compliance with the Directives (Y/N) 	Yes
Suitable for safety functions (Y/N)	No
Standard housing (Y/N)	No
Material	
- Material of the housings	Aluminium
- Material of the detection cone	Plastic
- Material of the contacts	Silver
Housing coating	painted
Weight	1460

## Mechanical data

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Design of electrical connection	Screw connection
Cable section	
- Min. Cable section	1.5
- Max. Cable section	2.5
Active principle	mechanical
Mechanical life	1.000.000 operations
notice	All indications about the cable section are including the conductor ferrules.
Design of actuating element	Detection cone
Actuating force	14 N
Bounce duration	≤ 5
Switchover time	≤ 35
Actuating speed	
- Min. Actuating speed	1
- Max. Actuating speed	1

## Ambient conditions

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Ambient temperature	
- Min. environmental temperature	-30
- Max. environmental temperature	+90
Protection class	IP65 to IEC/EN 60529

## Electrical data

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Design of control element	Normally open contact (NO), Opener (NC)
- Change-over contact with double break	
- galvanically separated contact bridges	
Switching principle	Snap switch element
Number of shutters	1
Number of openers	1
Rated impulse withstand voltage	4
Rated insulation voltage	250
Thermal test current	16 A
Utilisation category	AC-15: 250 V / 4 A
Max. fuse rating	16 A gG D-fuse

## Dimensions

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Dimensions of the sensor	
- Width of sensor	106
- Height of sensor	438
- Length of sensor	61
Durchmesser Detection cone	90 mm

## Documents

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**Operating instructions and Declaration of conformity (nl)** 316 kB, 18.07.2018

Code: mrl\_maf-s441-1\_nl

**Operating instructions and Declaration of conformity (es)** 324 kB, 07.07.2015

Code: mrl\_maf-s441-1\_es

**Operating instructions and Declaration of conformity** (pl) 350 kB, 07.07.2015

Code: mrl\_maf-s441-1\_pl

**Operating instructions and Declaration of conformity** (cs) 348 kB, 25.11.2015

Code: mrl\_maf-s441-1\_cs

**Operating instructions and Declaration of conformity** (pt) 331 kB, 07.07.2015

Code: mrl\_maf-s441-1\_pt

**Operating instructions and Declaration of conformity** (en) 330 kB, 07.07.2015

Code: mrl\_maf-s441-1\_en

**Operating instructions and Declaration of conformity** (de) 330 kB, 07.07.2015

Code: mrl\_maf-s441-1\_de

**Operating instructions and Declaration of conformity** (fr) 332 kB, 07.07.2015

Code: mrl\_maf-s441-1\_fr

**Operating instructions and Declaration of conformity** (it) 324 kB, 07.07.2015

Code: mrl\_maf-s441-1\_it

**Operating instructions and Declaration of conformity** (jp) 404 kB, 07.07.2015

Code: mrl\_maf-s441-1\_jp

## Images

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The data and values have been checked thoroughly. Technical modifications and errors excepted.

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