



MAF/S 441-11Y

- 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

Data

Ordering data

EAN (European Article Number)	4030661448251
eCl@ss number, Version 9.0	27-27-06-01
eCl@ss number, Version 11.0	27-27-06-01
ETIM number, version 6.0	EC000030
ETIM number, version 7.0	EC000030

General data

Standards	EN 60947-5-1
Active principle	mechanical
Enclosure material	Aluminium
Enclosure coating material	painted
Material of the contacts, electrical	Silver
Material of the Detection cone	Plastic
Gross weight	1,460 g

General data - Features

Number of openers	1
Number of shutters	1

Mechanical data

Actuating element	Detection cone
Mechanical life, minimum	1,000,000 Operations
Actuating force	14 N
Actuating speed, minimum	1 mm/min
Actuating speed, maximum	1 m/s

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	1.5 mm ²
Cable section, maximum	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	61 mm
Width of sensor	106 mm
Height of sensor	438 mm
Diameter of the Detection cone	90 mm

Ambient conditions

Degree of protection	IP65 to EN 60529
Ambient temperature, minimum	-30 °C

Ambient temperature, maximum	+90 °C
------------------------------	--------

Ambient conditions - Insulation value

Rated insulation voltage U_i	250 V
Rated impulse withstand voltage U_{imp}	4 kV

Electrical data

Thermal test current	16 A
Utilisation category AC-15	250 VAC
Utilisation category AC-15	4 A
Switching element	NO contact, NC contact
Note (Switching element)	galvanically separated contact bridges
Switching principle	Snap switch element
Bounce duration, maximum	5 ms
Switchover time, maximum	35 ms

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 11/9/2021, 9:09 AM