

Datasheet - SMS 3 75-100

Safety-related tactile sensor (Archive) / SMS 3



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

- **NOTICE: Not available! (Replacement: SMS 4 / SMS 5)**
- Extremely robust version
- Modular switching mat system
- Special sizes are available on request
- Maintenance free
- 100% actuating surface
- Simple mounting
- Slip-free surface
- High resistance to chemicals
- No additional terminating resistor required
- No additional baseplate
- 4-wire connecting cable

Ordering details

NOTICE: Not available! (Replacement: SMS 4 / SMS 5)


Product type description	SMS 3 75-100
Article number	101148639
EAN code	4030661147697

Approval

Approval



Global Properties

Product name	SMS 3
Standards	EN ISO 13850
Compliance with the Directives (Y/N) 	Yes
Control Category	3 To EN ISO 13849-1 (Only in combination with safety monitoring module)
Surface material	plastisol
Weight	18000 g
Response time	≤ 30 ms
Recommended safety-monitoring module	SRB 301HC/R, SRB 301HC/T

Mechanical data

Design of electrical connection	Cable
Cable length	6 m
Cable section	
- Min. Cable section	
- Max. Cable section	4 x 0,75 mm ²
AWG-Number	18
Mechanical life	> 5.000.000 operations > 1 million operations EC prototype tested

Permissible load	2000 N/cm ²
Actuating force	≤ 300 N
Inactive area	0 - 30 mm from edge without active profile strips; 100% active with profile strips

Ambient conditions

Ambient temperature	
- Min. environmental temperature	+5 °C mat system -20 °C single mat
- Max. environmental temperature	+50 °C mat system +50 °C single mat
Storage and transport temperature	
- Min. Storage and transport temperature	-20 °C
- Max. Storage and transport temperature	+50 °C
Protection class	IP67 to IEC/EN 60529

Dimensions

Dimensions	
- Width	750 mm
- Height	12 mm
- Length	1000 mm

notice

Resistant to chemicals

Water	Excellent
Mineral acids	Good - Excellent
Organic acids	Good - Excellent
Alcohol	Good
Aldehyde	Good - Excellent
Acids	Good - Excellent
Paraffin	Medium - Good
Oils	Good

Indication legend

Design

- 1 Slip-free surface
- 2 Upper conducting steel plate
- 3 Insulating strips
- 4 Conducting strips
- 5 Insulating layer
- 6 Lower conductive steel plate
- 7 Bottom surface of safety mat

Documents

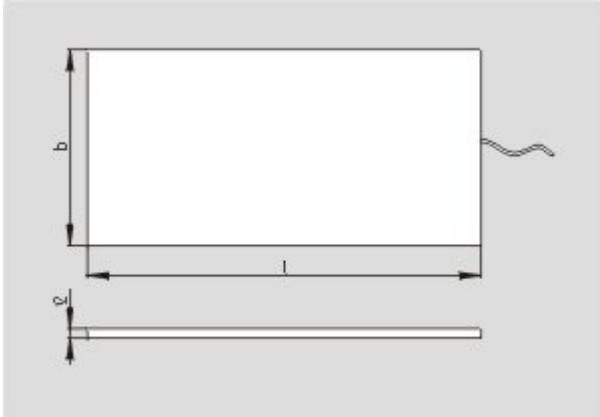
Mounting and wiring instructions (de, en, fr) 298 kB, 08.11.2007

Code: m_ms3p01

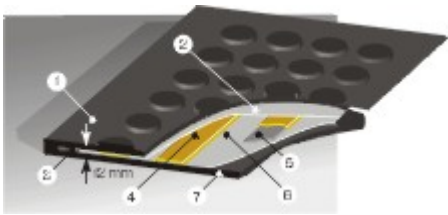
BG-test certificate (en) 79 kB, 18.01.2010

Code: z_smsp02

Images



Dimensional drawing (basic component)



Dimensional drawing (basic component)



Application

System components

Accessories

Corner cover SMS



profile strip SMS



Safety control modules



SRB 301HC/R

- 3 safety contacts, STOP 0
- 1 Signalling output
- Suitable for signal processing of potential-free outputs, e.g. emergency stop command devices, position switches and solenoid interlocks and Two-hand control panels and Safety mats



SRB 301HC/T

- 3 safety contacts, STOP 0
- 1 Signalling output
- Suitable for signal processing of potential-free outputs, e.g. emergency stop command devices, position switches and solenoid interlocks and Safety mats

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

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