Datasheet - SMS 5-1000-1000

Safety-related tactile sensor / SMS 5

☒ Preferred typ

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

- with moulded ramp profile
- Robust design
- Modular switching mat system
- Special sizes are available on request
- Maintenance free
- Simple mounting
- Slip-free surface
- High resistance to chemicals
- No additional terminating resistor required
- No additional baseplate
- 2 x 2-wire connecting cable

Ordering details

Product type description	SMS 5-1000-1000
Article number	101208375
Strobe lamp	4030661380216
eCl@ss	27-27-34-02

Approval

Approval	TÜV

Classification

Standards	EN ISO 13849-1
PL	d
Control category	3
PFH value	4.2 x 10-8/h
- notice	up to max. 52000 switching cycles/year at max. 60% contact load Diverging applications upon request
SIL	Suitable for SIL 3 applications
Mission time	20 Years

Global Properties

Permanent light	SMS 5

Standards	EN ISO 13849-1, EN ISO 13856-1
Compliance with the Directives (Y/N) CE	Yes
Control Category	3 To EN ISO 13849-1 (Only in combination with safety monitoring module)
Surface material	Polyurethane
Weight	28.000
Response time	≤ 25
Cascadable (Y/N)	Yes
Recommended safety-monitoring module	SRB301HC/R, SRB301HC/T

Mechanical data

Design of electrical connection	Cable
Cable length	6
Conductors	4 x 0,34
AWG-Number	22
Mechanical life	> 1.500.000 operations
Permissible load	2000
- with round body Ø 80	
Actuating force	150
- with round body Ø 80	
Inactive area	≤ 10

Ambient conditions

Ambient temperature	
- Min. environmental temperature	0
- Max. environmental temperature	+60
Protection class	IP65 to IEC/EN 60529

Dimensions

Dimensions	
- Width	1000
- Height	14
- Length	1000

notice

Resistant to chemicals	
Water	resistent
10 Acids	resistent
10 Caustic and alkaline solutions	resistent
Oils	resistent
Petroleum	resistent

Ordering code

SMS 5-**(1)**

(1)

250-500	Active area 250 x 500 mm
500-500	Active area 500 x 500 mm
500-1000	Active area 500 x 1000 mm

750-1000	Active area 750 x 1000 mm
1000-1000	Active area 1000 x 1000 mm
1000-1500	Active area 1000 x 1500 mm

Documents

Operating instructions and Declaration of conformity (cs) 648 kB, 14.08.2012
Code: mrl_sms4_5_cs

Operating instructions and Declaration of conformity (pl) 682 kB, 16.09.2016
Code: mrl_sms4_5_pl

Operating instructions and Declaration of conformity (da) 652 kB, 02.08.2012
Code: mrl_sms4_5_da

Operating instructions and Declaration of conformity (en) 716 kB, 14.07.2016
Code: mrl_sms4_5_en

Operating instructions and Declaration of conformity (de) 705 kB, 14.07.2016
Code: mrl_sms4_5_de

Operating instructions and Declaration of conformity (es) 666 kB, 16.09.2016
Code: mrl_sms4_5_es

Operating instructions and Declaration of conformity (jp) 896 kB, 23.05.2017
Code: mrl_sms4_5_jp

Operating instructions and Declaration of conformity (fr) 661 kB, 18.11.2016
Code: mrl_sms4_5_fr

Operating instructions and Declaration of conformity (nl) 1 MB, 19.01.2011
Code: mrl_sms4_5_nl

Operating instructions and Declaration of conformity (it) 659 kB, 18.11.2016
Code: mrl_sms4_5_it

Operating instructions and Declaration of conformity (pt) 667 kB, 17.03.2017
Code: mrl_sms4_5_pt

BG-test certificate (de, en) 3 MB, 20.08.2014
Code: z_smsp01

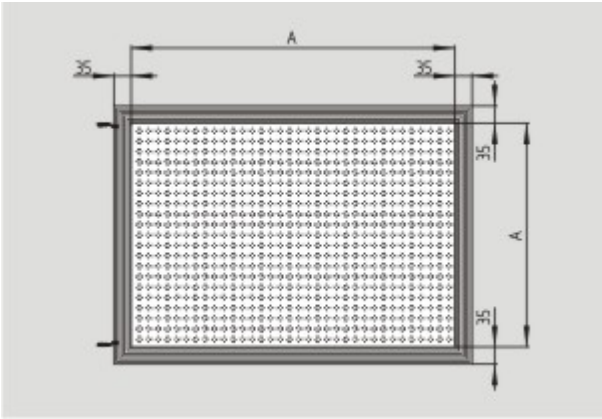
Brochure (pt) 305 kB, 11.10.2011
Code: b_smsp10

Brochure (es) 304 kB, 01.10.2009
Code: b_smsp09

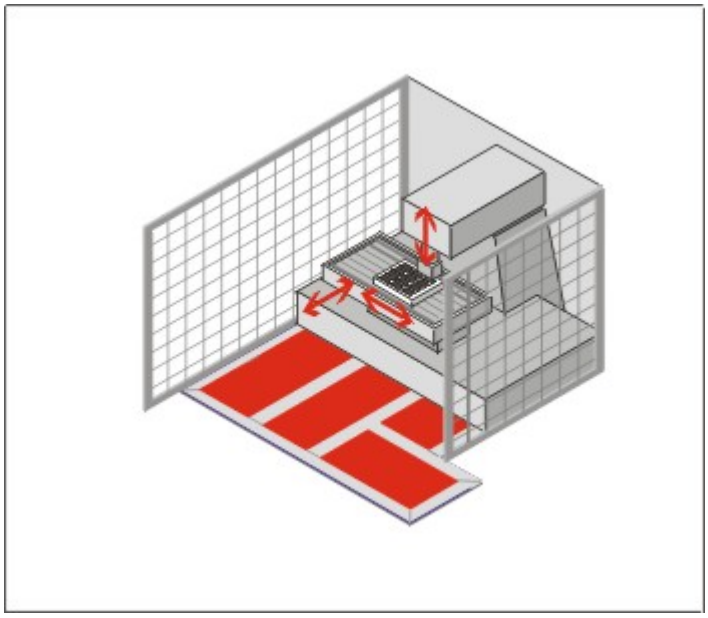
Brochure (de) 335 kB, 16.04.2009
Code: b_smsp01

Brochure (en) 301 kB, 16.04.2009
Code: b_smsp02

Images



Dimensional drawing (basic component)


Application

System components

Safety control modules

SRB301HC/T

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

SRB301HC/R

• 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
• 3 safety contacts, STOP 0
• 1 Signalling output