



RSS260-I2-D-LSTM12-8-0,25M

Data

Ordering data

RSS260-I2-D-LSTM12-8-0,25M

103014732

EAN (European Article Number) 4030661500607

eCl@ss number, Version 9.0 27-27-24-03

Approval - Standards

TÜV
cULus
EAC
FCC
IC

General data

	IEC 60947-5-3
general information	Individual coding
Coding level according to ISO 14119	High
	RFID
Housing construction form	Block
Installation conditions (mechanical)	not flush
Enclosure material	Plastic, thermoplastic, self-extinguishing
Active area	Glass-fibre, thermoplastic
Gross weight	161 g
Time to readiness, maximum	2,000 ms
Reaction time, maximum	100 ms
Duration of risk, maximum	200 ms

General data - Features

Short circuit detection	Yes
Short-circuit recognition	Yes
Safety functions	Yes

Safety appraisal

	ISO 13849-1 IEC 60947-5-3 EN 62061 IEC 61508
Performance level, up to	e
Control category to EN13849	4
PFH-value	6.80×10^{-10} /h
Safety Integrity Level (SIL), applicable for	3
Mission Time	20 Year(s)

Mechanical data

Actuating panels	lateral front side
Active area	lateral front
Mounting	A 20 mm screw length usually suffices to mount the sensor. When the mounting plates are used, we recommend 25 mm long screws.
Ensured switching distance "ON", front	10 mm
Ensured switching distance "ON", side	6 mm
Ensured switching distance "OFF", front	18 mm
Ensured switch distance "OFF" S _{ar} , lateral	15 mm
Hysteresis (Switch distance), maximum	2 mm
Repeat accuracy R R	0.5 mm

Mechanical data - Connection technique

Terminal Connector	Connector M8, 8-pole
Note	The cable section of the interconnecting cable must be observed for both wiring variants! Cable length and cable section alter the voltage drop depending on the output current

Mechanical data - Dimensions

Height of sensor	18 mm
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Length of sensor	29.5 mm
Width of sensor	39.2 mm

Ambient conditions

Protection class	IP 65 to IEC/EN 60529 IP 67 to IEC/EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+65 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+85 °C
Resistance to vibrations to EN 60068-2-6	10 ... 55 Hz, amplitude 1 mm 30 g / 11 ms

Ambient conditions - Insulation value

Rated impulse withstand voltage	0.8 kV
	III
	3

Electrical data

Voltage type	DC (direct current)
No-load current	100 mA
	24 VDC -15% / +10%
Rated operating voltage, minimum	20.4 VDC
Rated operating voltage, maximum	26.4 VDC
Operating current	600 mA
Required rated short-circuit current to EN 60947-5-1	100 A
Switching frequency, approx.	1 Hz

Electrical data - Fail-safe digital outputs

Versions	p-type
Voltage drop U_d , maximum	1 V
Current leakage	0.5 mA
Voltage, Utilisation category DC12	24 VDC
Current, Utilisation category DC12	0.3 A

Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	0.3 A

Electrical data - Diagnostic output

Operating current (diagnostic output)	150 mA
Versions	p-type
Voltage drop U_d , maximum	2 V
Voltage, Utilisation category DC12	24 VDC
Current, Utilisation category DC12	0.1 A
Voltage, Utilisation category DC13	24 VDC
Current, Utilisation category DC13	0.1 A

Electrical data - Electromagnetic compatibility (EMC)

IEC 61000-6-4
IEC 60947-3

Status indication

Note (LED switching conditions display)	(1) LED green: Supply voltage LED yellow: Operating condition LED red: Fault
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Accessory

RST16-1
RST-U-2
RST260-1

Ordering code

Product type description:

RSS260-(1)-(2)-ST

(1)

without Standard coding

I1 Individual coding

I2 Individual coding, multiple teaching

(2)

D With diagnostic output

SD With serial diagnostic function

Pictures

Photo/Product/Catalogue

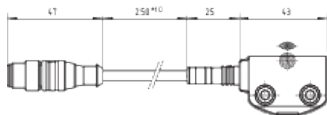


ID: krss2f13

| 638,8 kB | .jpg | 352.778 x 676.275 mm - 1000 x 1917 Pixel - 72 dpi

| 42,7 kB | .png | 74.083 x 141.817 mm - 210 x 402 Pixel - 72 dpi

Dimension/Product/Basic



ID: krss2g03

| 5,1 kB | .png | 74.083 x 26.811 mm - 210 x 76 Pixel - 72 dpi

| 64,0 kB | .jpg | 352.778 x 127 mm - 1000 x 360 Pixel - 72 dpi

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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.

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