



Remote Speaker Microphone

RSM-EX01SES-D1NAM-1SWN...AI

- Extremely long operating times with high voice volume – Up to 78 hours
- Outstanding volume and sound performance – Up to 103 dB
- Good operability, even with gloves
- Lone worker ready (with Red Button)
- Additional multi-functional buttons and a dedicated SOS button
- 2200 mAh Li-ion battery pack for a long operating time
- Linguistic feedback when changing individual modes
- Magnetic charging cable and optional charging cradle
- IoT Ready: "Custom Service Load" allows individual button settings for sending custom commands to servers and other IoT switches - e.g. to open a gate (only for Ex-Handy 10 Series)

RSM-Ex 01, wired, Division 1, straight 3.5 mm plug for Smart-Ex 01 and Ex-Handy 09, with Red Button, version for Northern America



Technical Data

General specifications

Description	Audio Improved Version
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Indicators/operating means

Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down with Red Button
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Audio data

Sound level	up to 103 dB
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Electrical specifications

Battery type	Li-Ion battery 3.7 V 2200 mAh 8.14 Wh
Operating duration	Stand-by time: approx. 80 h Actual use/operating time depending on use and set sound level (See table "Run times")

Communication

NFC	yes
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Ambient conditions

Ambient temperature	-20 ... 55 °C (-4 ... 131 °F)
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Mechanical specifications

Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP65 IP67 following EN/IEC 60529 (industrial standard)
Connection	Socket, 3.5 mm, for headset
Connector	3.5 mm, 4-pin, straight, with lock (Smart-Ex 01 / Ex-Handy 09)
Cable	coiled
Mass	316 g
Dimensions	
W x H x D	8 cm x 12 cm x 2.5 cm Including mounting clip: 8 cm x 12 cm x 3.2 cm
Height	12 cm
Width	8 cm
Depth	2.5 cm

International approvals

SGS approval

Release date: 2026-05-22 Date of issue: 2026-05-22 Filename: 480984-100046_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

SGS certificate	SGSNA/19/SUW/00157X
SGS marking	CI I, II, III, Div 1, GRPS A-G, T4, T135°C CI I Zn 1, AEx ib IIC T4 Gb CI II Zn 21, AEx ib IIIC T135°C Db CI I, Zn 1, Ex ib IIC T4 Gb CI II, Zn 21, Ex ib IIIC T135°C Db
IECEX approval	
IECEX certificate	IECEX IBE 18.0016X
IECEX marking	Ex ib IIC T4 Gb Ex ib IIIC T135°C Db IP64 Ex ib I Mb
Approved for	Northern America
General information	
Scope of delivery	RSM-Ex Battery Charging cable Charger Safety instructions Documentation

Accessories

Accessories for this product can be found on the internet at www.pepperl-fuchs.com.

Operation

Run times**

Use time in % with typical user profiles speak/hear/standby	Noisy areas with sound level above 100 dB	Noisy areas with sound level between 84 and 100 dB	Noisy areas with sound level up to 84 dB
5 / 5 / 90	-> 55 h	-> 72 h	-> 72 h
25 / 25 / 50	-> 28 h	-> 70 h	-> 71 h
50 / 50 / 0	-> 17 h	-> 67 h	-> 69 h
	Highest noise level (8/8)*	Very high noise level (4/8)*	High noise level (2/8)*
*There are 8 different volume levels possible. **determined runtimes on the Smart-Ex 01 based on RSM-Ex 01 software version V 16			

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