Remote Speaker Microphone

RSM-EX01B..-D1NAM-1BBLESCST

- 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 (optional SOS 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, Bluetooth, Division 1, version for Northern America

Connection

Technical Data

Indicators/operating means	
Key	Push-to-talk button operable with thick gloves Front-facing multi-function button Volume up / down Channel up / down On/Off switch Red Button
Audio data	
Sound level	up to 103 dB
Electrical specifications	

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Technical Data

Battery type	Li-Ion battery 3.7 V 2200 mAh
Operating duration	Stand-by time: approx. 74 h Actual use/operating time depending on use and set sound level (See table "Run times")
Interface	
I/O ports	3.5 mm jack connection
Communication	
Bluetooth	yes
NFC	yes
Software	
Applications	ESChat SPP and BLE
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP64 according to EN/IEC 60079-0 (ATEX/IECEx) IP 67 following EN/IEC 60529 (industrial standard)
Mass	249 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	
SGS certificate	SGSNA/20/SUW/00138X
SGS marking	Cl I, II, III, Div.1, GRPS A-G, T4, T135°C Cl I, Zn 1, AEx ib IIC T4 Gb IP64 Cl II, Zn 21, AEx ib IIIC T135°C Db IP64 Cl I, Zn 1, Ex ib IIC T4 Gb IP64 Cl II, Zn 21, Ex ib IIIC T135°C Db IP64
IECEx approval	
IECEx certificate	IECEx IBE 20.0004X
IECEx marking	Ex ia IIC T4 Ga Ex ia IIIC T135°C Db IP 64 Ex ia I Ma
Approved for	Northern America
General information	
Scope of delivery	RSM-Ex Charging cable Charger Safety instructions Documentation

Accessories

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

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Operation

Run times**

Use time in % with typical user profiles speak/hear/standby	100% (Level 15 media; Level 8 phone call)	75% (Level 10 media; Level 4 phone call)	25% (Level 3 media; Level 2 phone call)
5 / 5 / 90	50 h	64 h	71 h
25 / 25 / 50	22 h	44 h	64 h
50 / 50 / 0	13 h	31 h	57 h
**determined runtimes on the Smart-Ex 02 based on RSM-Ex 01 BT software version 1.0.0			

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