# 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<br>Front-facing multi-function button<br>Volume up / down<br>Channel up / down<br>On/Off switch<br>Red Button |
| **Audio data** | |
| Sound level | up to 103 dB |
| **Electrical specifications** | |

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## Technical Data

| | |
|---|---|
| Battery type | Li-Ion battery<br>3.7 V<br>2200 mAh |
| Operating duration | Stand-by time: approx. 74 h<br>Actual use/operating time depending on use and set sound level<br>(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)<br>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<br>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<br>Cl I, Zn 1, AEx ib IIC T4 Gb IP64<br>Cl II, Zn 21, AEx ib IIIC T135°C Db IP64<br>Cl I, Zn 1, Ex ib IIC T4 Gb IP64<br>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<br>Ex ia IIIC T135°C Db IP 64<br>Ex ia I Ma |
| Approved for | Northern America |
| **General information** | |
| Scope of delivery | RSM-Ex<br>Charging cable<br>Charger<br>Safety instructions<br>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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