



Remote Speaker Microphone

RSM-EX01B..-Z0EUR-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, Zone 0/21, version for Europe



Connection



Technical Data

Indicators/operating means

| | |
|-----|--|
| Key | <ul style="list-style-type: none"> 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

Release date: 2024-11-20 Date of issue: 2024-11-20 Filename: 480984-100054_eng.pdf

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) |
| Data for application in connection with hazardous areas | |
| ATEX approval | |
| ATEX certificate | IBExU20ATEX1025 X |
| ATEX marking | Ⓜ II 1G Ex ia IIC T4 Ga Ⓜ II 2D Ex ia IIIC T135°C Db IP 64 Ⓜ I M1 Ex ia I Ma |
| International approvals | |
| 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 | Europe |
| 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.

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