FPE-5000-UGM Interface Module

- Easy and redundant connection to superordinate systems
- MTS protocol
- Ready to go thanks to plug-and-play technology and pluggable terminal blocks

The Communication Module is used to connect the fire panels FPA-5000 and FPA-1200 to a superordinate system like the UGM 2020, FAT 2002/RE and FSM-2000. The module provides two bi-directional transmission paths.

### System Overview

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Labeling</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SDI 1 +</td>
<td>Data input +</td>
</tr>
<tr>
<td>2</td>
<td>SDI 1 -</td>
<td>Data input -</td>
</tr>
<tr>
<td>3</td>
<td>SDO 1 +</td>
<td>Data input +</td>
</tr>
<tr>
<td>4</td>
<td>SDO 1 -</td>
<td>Data input -</td>
</tr>
</tbody>
</table>

www.boschsecurity.com
### Technical Specifications

#### Electrical

- **Input voltage**
  - 20 V DC to 30 V DC
- **Maximum current consumption**
  - **Standby**: 7 mA (at 24 V DC)
  - **One transmission path active**: 10 mA (at 24 V DC)
  - **Both transmission paths active**: 13 mA (at 24 V DC)
- **Maximum line length**: 1000 m
- **Maximum line resistance**: 70 Ω
- **Baud rate**: 9600 bit/s at 1000 m to 38400 bit/s at 200 m

#### Mechanics

- **Operating and display elements**
  - **4 Bi-color LEDs**: Green = transmission / Yellow = fault
  - **1 key switch**: LED test
- **Housing material**: ABS plastic (UL94 V−0)
- **Housing color**: satin finish, anthracite, RAL 7016
- **Dimensions**: 110 x 90 x 60 mm
- **Weight**: 150 g

#### Environmental conditions

- **Permissible operating temperature**: -5 °C to 50 °C
- **Permissible storage temperature**: -20 °C to 60 °C
- **Permissible relative humidity**: max. 95 %, non-condensing
- **Protection class as per IEC 60529**: IP 30

### Ordering Information

**FPE-5000-UGM Interface Module**

For connecting the fire panels FPA-5000 and FPA-1200 to superordinate systems (UGM 2020, FAT 2002/RE, FSM-2000)