The communication module is used to connect the addressable fire panels to a superordinate system like safety/security systems or fire services systems. The module provides two bi-directional transmission paths.

### System overview

**Pos.** | **Labeling** | **Connection** | **Connection**
---|---|---|---
1 | SDI 1 + | Transmission path 1 | Data input +
2 | SDI 1 - | Data input -
3 | SDO 1 + | Data input +
4 | SDO 1 - | Data input -
5 | SDI 2 + | Transmission path 2 | Data input +
6 | SDI 2 - | Data input -
7 | SDO 2 + | Data input +
8 | SDO 2 - | Data input -

### Parts included

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>FPE-5000-UGM Interface Module</td>
</tr>
</tbody>
</table>

### Technical specifications

#### Electrical

- **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
acrylonitrile-butadiene-styrene (ABS)

### Housing color
RAL 7016 anthracite gray

### Dimensions
110 x 90 x 60 mm

### Weight
150 g

## Environmental conditions

| Permissible storage temperature | -20 °C to 60 °C |

## Ordering information

**FPE-5000-UGM Module interface to UGM**
for connecting the addressable fire panels to a superordinate systems
Order number **FPE-5000-UGM | F.01U.028.289**