# Active adapter PBMB IP20

## Function

For the purpose of physical determination of the signal-to-noise ratio of the PROFIBUS communication non-interacting measuring points are required in every segment of a master system. To get optimal information on the physical transmission quality, the measuring points have to be provided at the two ends of a segment.

For connecting of a PROFIBUS line it is necessary to add a PROFIBUS connector (see Active measuring point PBMA) to the PBMB.

As type PBMA it meets not only the requirements of a non-interacting measuring point but also fulfils the requirements and the function of an active bus termination. The Power LED signals the 24 V power supply required for the terminating resistor.

Diagnostic tools are connected according to the PG / diagnosis interface of the PROFIBUS connector. For a non-interacting connection of a programming device (laptop / field PG) the use of an active programming cable APKA or APKA II is basically recommended.

## Electrical parameters

- Baud rate: 9,6 kbps to 12 Mbps
- Input voltage: 24 VDC (20-28 V, pole-proof)
- Output voltage: 5 VDC / 200 mA short-circuit proof Pin 5 (GND) 6 (+)
- Current drain: Type 30 mA (incl. diagnostic connector)
- Voltage supply through screw terminals

***The connection of functional earth is absolutely necessary for the functioning of the PROFIBUS shield!***

## Ambient conditions

- Operation temperature: 0 °C to +70 °C
- Protective system: IP20

## Design

- Dimensions (H x W x D): Approx. 82 x 22,5 x 40 mm
- Weight: Approx. 33 g
- Casing: Active adapter of plastic materials
- Fasting: Snapped on the DIN rail according to EN 50022


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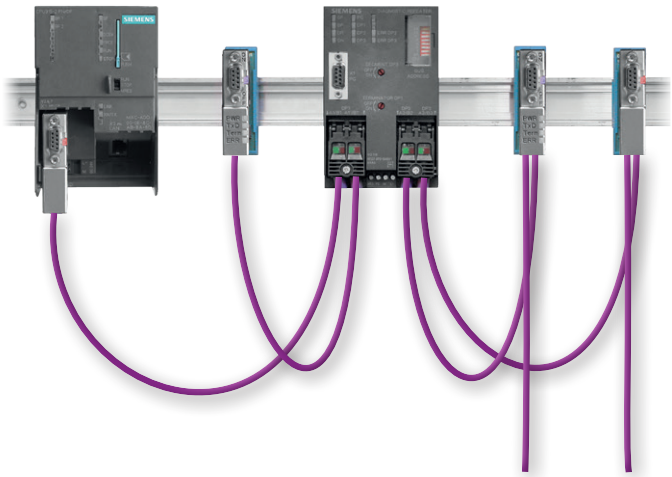
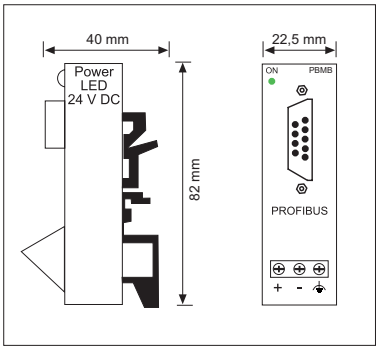


Cable runs into field

**Example of use**




**Engineering drawing**

| Ordering details | Art. No. |
|---|---|
| **PBMB IP20**<br>(Active adapter) | **110080012** |

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