



- Robust
- Functional
- High available

Polyester distribution boxes have been of great advantage in many industrial plants. They offer safe protection even when they are exposed to extreme environmental conditions, aggressive chemical media or high mechanical stress. The narrow sides within the enclosure hold threaded bushings for the fixing of terminal rails or mounting panels. The enclosure is mounted by means of insulated screws outside of the lid sealing gasket. These black high-quality explosion-proofed enclosures are used in hazardous areas by inflammable dust (Zone 21 and 22). The fundamental prerequisites of the „protection through enclosure“ protection class are fulfilled with the heating up calculation as per the accompanying sheet and a separate IP protection test.

**Technical data**

|                       |  |
|-----------------------|--|
| Protection class      | IP 66  |
| Material              | glass-fibre reinforced polyester, EN 60079-0, halogen-free |
| Colour                | RAL 9005, black  |
| Electrical resistance | surface resistance < 10 <sup>9</sup> Ω                     |

**Explosion protection**

|   |   |
|---|---|
| Marking ATEX  | Ⓢ II 2G Ex e ia/ib IIA, IIB, IIC T6, T5 Gb<br>Ⓢ II 2G Ex IIA, IIB, IIC T6, T5 Gb<br>Ⓢ II 2D Ex tb IIIC T80 °C, T95 °C Db IP 66<br>Ⓢ II 2D Ex ia/ib IIIC T80 °C, T95 °C Db |
| Certification                                       | PTB 08 ATEX 1064  |
| Marking IECEx                                       | Ex e ia/ib IIA, IIB, IIC T6, T5 Gb<br>Ex IIA, IIB, IIC T6, T5 Gb<br>Ex tb IIIC T80 °C, T95 °C Db IP 66<br>Ex ia/ib IIIC T80 °C, T95 °C Db                                 |
| Certification                                       | PTB 09.0009X  |
| Other approvals and certificates, see www.bartec.de |   |
| Ambient temperature                                 | -20 °C to +40 °C at T6<br>-20 °C to +55 °C at T5 optional<br>-55 °C to +40 °C at T6<br>-55 °C to +55 °C at T5   |

**Ordering information**

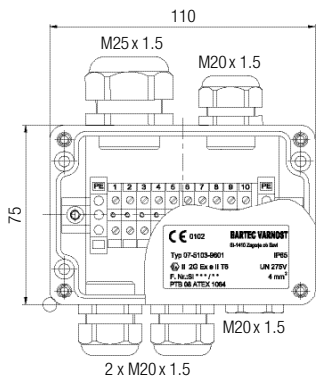
| Dimensions (mm) |                                 |  |                |                | Terminals          | Order no.    |
|-----------------|---------------------------------|--|----------------|----------------|--------------------|--------------|
|                 | side A                          | side B   | side C         | side D         |                    |              |
| 110 x 75        | 1 x M20 x 1.5<br>1 x M25 x 1.5  | 2 x M20 x 1.5<br>1 x M20*                        | -              | -              | 10 x AKZ4 + 2 x PE | 07-5103-9601 |
| 122 x 120       | 2 x M20 x 1.5                   | 2 x M20 x 1.5                                    | 1 x M20 x 1.5* | 1 x M20 x 1.5* | 10 x WDU4 + 2 x PE | 07-5103-9602 |
| 220 x 120       | 4 x M16 x 1.5<br>4 x M20 x 1.5* | 4 x M16 x 1.5<br>4 x M20 x 1.5<br>1 x M25 x 1.5* | -              | -              | 25 x WDU4 + 6 x PE | 07-5103-9604 |
| 122 x 120       | -                               | 2 x M20 x 1.5                                    | 1 x M20 x 1.5  | 1 x M20 x 1.5  | 8 x WDU4 + 2 x PE  | 07-5103-9606 |
| 122 x 120       | -                               | 2 x M25 x 1.5                                    | 1 x M25 x 1.5  | 1 x M25 x 1.5* | 6 x WDU6 + 2 x PE  | 07-5103-9608 |

\* Sealing plug

Technical data subject to change without notice.

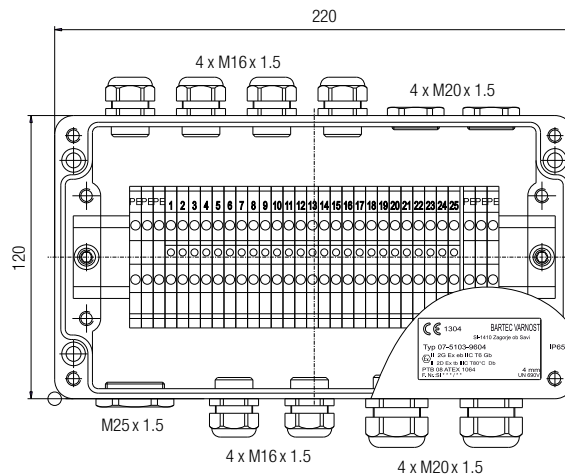
**Type 07-5103-9601**

Dimensions 110 x 75 x 55 mm  
 Terminals 10 x AKZ4 + 2AKE4



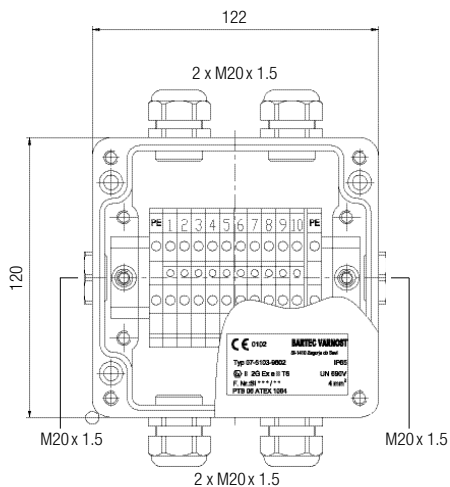
**Type 07-5103-9604**

Dimensions 220 x 120 x 90 mm  
 Terminals 25 x WDU4 + 6 x WPE4



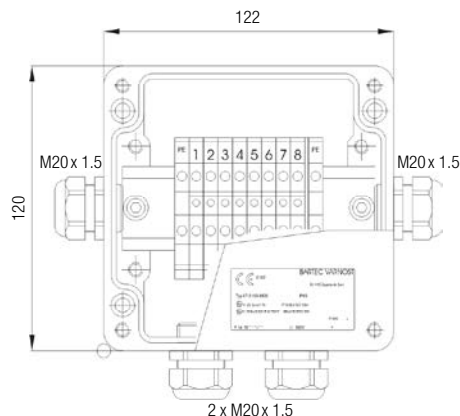
**Type 07-5103-9602**

Dimensions 122 x 120 x 90 mm  
 Terminals 10 x WDU4 + 2 x WPE4



**Type 07-5103-9606**

Dimensions 122 x 120 x 90 mm  
 Terminals 8 x WDU4 + 2 x WPE4



**Type 07-5103-9608**

Dimensions 122 x 120 x 90 mm  
 Terminals 6 x WDU6 + 2 x WPE4

