

## Mounting Accessories Junction Box Type Ex-it-R



### Round Junction box with mounting stand on-pipe mount in hazardous areas

The innovative junction box EX-R with mounting bracket (ex-it) is suitable for use in potentially explosive atmosphere in accordance with Ex-guidelines 94/9/CE (ATEX95) and provides a number of advantages. Thanks to the shape of the box, for instance, it is not necessary to strongly bend the inserted cable thereby avoiding cable damage. Due to the incorporated mounting bracket, there is no need to provide angle irons. This is especially advantageous for heat tracing on piping because the cable can directly be introduced via the mounting bracket. Furthermore, fastening screws for heating lines and sensors are not required. A safety locking, with appropriate tool included, prevents the cover to move. Additional features permitting the attachment of sign plates facilitate easy identification of heating circuits in complex systems.

#### Advantages:

- No static charge
- Rapid closing of the cover through snap fit, no tool required
- Increased mechanical safety through round shape
- Permits fixing of customer identification plates
- Up to 3 heating cables can be connected

#### Applications:

- Hazardous areas
- Chemical & petrochemical industries
- Power stations
- Industrial plants with a need for frost protection or temperature maintenance

#### Technical data:

Classification ..... II 2G Ex e IIC Gb II 2D Ex tb IIIC Db  
Standards ..... IEC 60079-0 ed.6, IEC 60079-7 ed.4,  
..... IEC 60079-31 ed.1  
Ambient temperature ..... -40°C up to +50°C  
Enclosure ..... Polyamide, no static charge  
Dimensions (approx) ..... dia 150mm, 125x160mm  
Ex-it-R ..... Height approx. 280mm total, the  
..... junction box is attached to the  
..... mounting feet.  
Impact resistance ..... 7 joule  
IP rating ..... IP65  
Terminal blocks, heating cable connection ..... max 6mm<sup>2</sup>  
Terminal blocks,  
temperature sensor connection ..... max 1.5mm<sup>2</sup>

#### Mounting Bracket:

Exposure temperature ..... -20°C to +200°C  
Enclosure material ..... PPS  
Insulating thickness, max ..... 120mm  
Pipe outer diameter ..... ≥20mm  
IP-Rating ..... IP 65  
Classification ..... II 2G Ex e II 2 D Ex tD A21 IP65  
Certificate ..... IBExU09ATEX1023U