



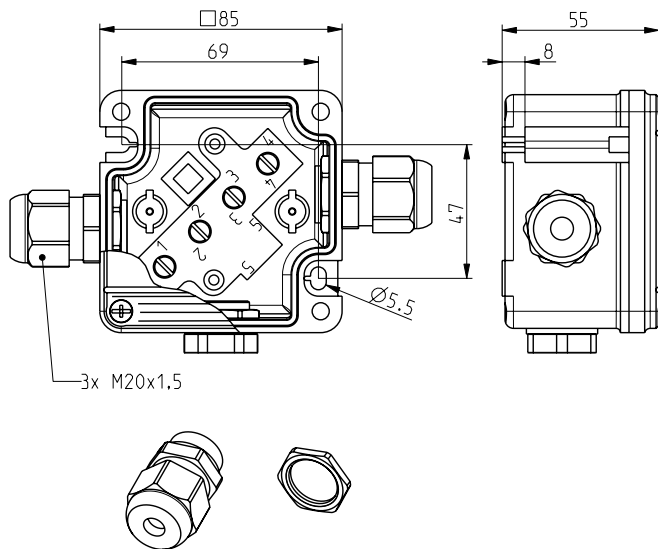
## Ex Junction/ terminal box device Ex AD

### Features/Options

- Ex zone 1 and 21
- Polyester resin enclosure
- Different variants as junction or terminal boxes available

- Method of protection either increased safety "e" or intrinsic safety "i" possible
- 3 different enclosure sizes  
85 x 85 mm; 115 x 115 mm; 145 x 145 mm

### Dimensions



### Technical data

<b>Standards</b>	EN 60079-0; EN 60079-7; EN 60079-11; EN 60079-18; EN 61241-0; EN 61241-1
<b>Enclosure</b>	glass-fibre reinforced polyester resin
<b>Degree of protection</b>	IP 66 to IEC/EN 60529
<b>Connection</b>	hood-type or terminal blocks
<b>Cable section</b>	Ex AD 85 MK: max. 4 mm <sup>2</sup> , Ex AD 115 MK: max. 6 mm <sup>2</sup> , Ex AD 145 MK: max. 10 mm <sup>2</sup> (incl. conductor ferrules), single-wire
<b>Cable entry</b>	max. 8 cable entries M20 x 1.5, M25 x 1.5 or M32 x 1.5
<b>U<sub>e</sub></b>	Ex AD FK: with fuse max. 250 or 550 V; Ex AD 85 FK: max. 550 V without fuse, Ex AD 115 FK, Ex AD 145 FK: max. 750 V without fuse; Ex AD ... MK: max. 1100 V without fuse, max. 550 V with fuse
<b>I<sub>e</sub>/U<sub>e</sub></b>	Ex AD 85: 25 A / 550 VAC, Ex AD 115: 32 A / 750 VAC, Ex AD 145: 44 A / 750 VAC
<b>Temperature class</b>	T6 / T5 / T4
<b>Ambient temperature</b>	Ex e: T6: -40 °C ... +40 °C, T5: -40 °C ... +55 °C, T4: -40 °C ... +60 °C; Ex i: -40 °C ... +75 °C, -50 °C with special cable glands
<b>Ex marking</b>	⊕ II 2G Ex em II T6, T5, T4
<b>Ex AD e:</b>	⊕ II 2D Ex tD A21 IP66 T80 °C, T95 °C, T130 °C
<b>Ex marking</b>	⊕ II 2G Ex ia/ib IIA, IIB, IIC
<b>Ex AD i:</b>	T6, T5 ⊕ II 2D Ex tD A21 IP66 T80 °C, T95 °C, T130 °C

**Approvals** PTB 10 ATEX 1019 X, IECEx in 2013

Errors and omissions excepted.



## Ex Junction/ terminal box device Ex AD

### Ordering details

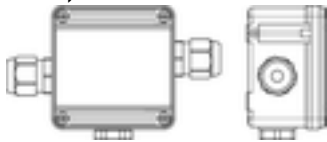
Junction box  
Ex "e", 85 x 85 mm



Type  
Ex AD 85 e MK4 3xM20

material no.  
1186653

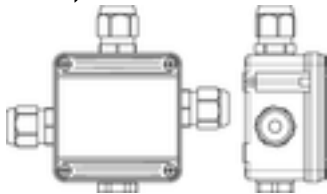
Junction box  
Ex "i", 85 x 85 mm



Type  
Ex AD 85 i MK4 3xM20

material no.  
1186655

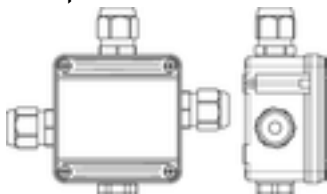
Junction box  
Ex "e", 85 x 85 mm



Type  
Ex AD 85 e MK5 4xM20

material no.  
1186654

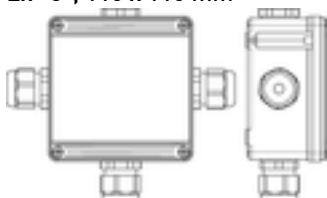
Junction box  
Ex "i", 85 x 85 mm



Type  
Ex AD 85 i MK4 4xM20

material no.  
1186656

Junction box  
Ex "e", 115 x 115 mm



Type  
Ex AD 115 e MK8 4xM25

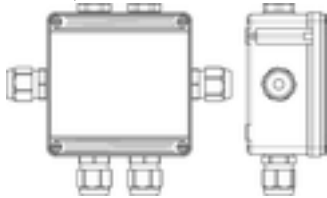
material no.  
1186657



## Ex Junction/ terminal box device Ex AD

### Ordering details

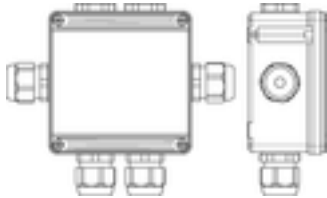
Junction box  
Ex "e", 115 x 115 mm



Type  
Ex AD 115 e MK8 6xM20

material no.  
1186658

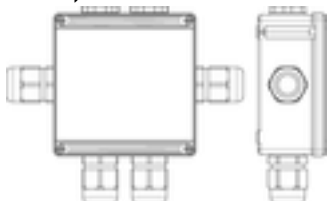
Junction box  
Ex "e", 115 x 115 mm



Type  
Ex AD 115 e MK8 6xM25

material no.  
1186659

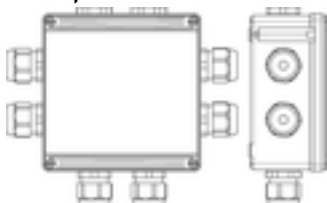
Junction box  
Ex "e", 145 x 145 mm



Type  
Ex AD 145 e MK8 6xM32

material no.  
1186660

Junction box  
Ex "e", 145 x 145 mm



Type  
Ex AD 145 e MK8 8xM25

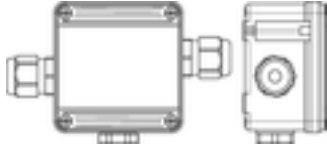
material no.  
1186661



## Ex Junction/ terminal box device Ex AD

### Ordering details

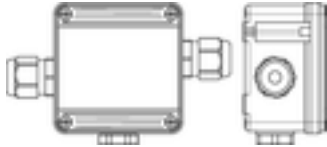
Terminal box  
Ex "e", 85 x 85 mm



Type  
Ex AD 85 e FK5 3xM20

material no.  
1186472

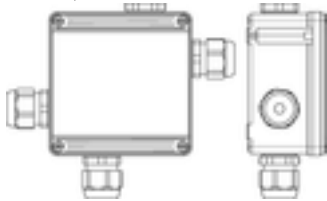
Terminal box  
Ex "i", 85 x 85 mm



Type  
Ex AD 85 i FK5 3xM20

material no.  
1186473

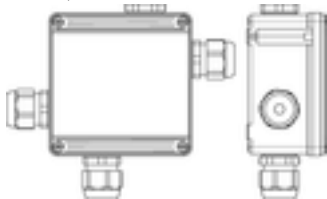
Terminal box  
Ex "e", 115 x 115 mm



Type  
Ex AD 115 e FK9 4xM25

material no.  
1186474

Terminal box  
Ex "i", 115 x 115 mm



Type  
Ex AD 115 i FK9 4xM25

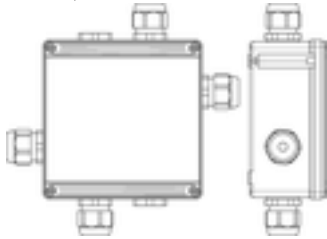
material no.  
1186475



## Ex Junction/ terminal box device Ex AD

### Ordering details

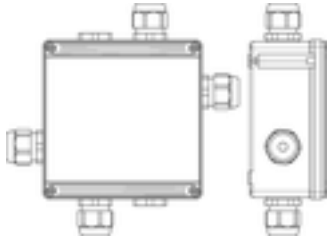
Terminal box  
Ex "e", 145 x 145 mm



Type  
Ex AD 145 e FK15 6xM25

material no.  
1186476

Terminal box  
Ex "i", 145 x 145 mm



Type  
Ex AD 145 i FK15 6xM25

material no.  
1186477