

# Ex-Junction Box AG...

Glass fiber reinforced polyester enclosure for use in hazardous area.

Junction Box Ex



- Temperature resistant
- Resistant to chemical influences
- Antistatic
- Corrosion-resistant/ UV-resistant
- Customized versions available upon request

## Description

Ex-Junction Boxes made of glass fiber reinforced polyester to connect self-limiting-, serial resistance- as well as mineral insulated heating-cables.

This enclosure series is available in different versions and can be used for almost all trace heating application.

This box can be used in extremely environmental conditions, chemically aggressive environments and it resists exposure to mechanical stress.

Customized versions available upon request.



## Technical Data

Dimensions (LxWxH in mm):



AG 99...Ex	110 x 75 x 55
AG 101...Ex	122 x 120 x 90
AG 102...Ex	160 x 160 x 90
AG 103...Ex	260 x 160 x 90

Protection class: IP65

Min. ambient temperature: -55°C  
(-60°C upon request)

Temperature class: T6 at +50°C  
T5 at +55°C  
T4 at +60°C

## Marking

-  II 2G Ex e IIC T6
-  II 2D Ex tD A21 IP65 T80°C

## Approval

ATEX, IECEx, EAC

## Ordering Information

For part numbers and technical data please see page 2.

## Additional Products

Part number  
IRM0120Ex: Mechanical Ex-Capillary-  
Thermostat, 122x120x90mm  
Temperature range 0..+120°C  
(for other temperature ranges  
see specific data sheet)

## Further Information

Please consult the installation instructions!

## Standard Versions

Part number	Dimensions (in mm)	Cross-section	Cable Glands	Description
AG 99 Ex	110x75x55	2.5mm <sup>2</sup>	1x M20 2x M12	Sensor-box for up to 2 sensors
AG 99 HK Ex	110x75x55	2.5mm <sup>2</sup>	2x M20	Junction box 1 phase for 1 heating circuit
AG 101 Ex	122x120x90	6mm <sup>2</sup>	1x M25 3x M20	Junction box 1 phase for up to 3 heating circuits
AG 101 3P Ex	122x120x90	6mm <sup>2</sup>	1x M25 3x M20	Junction box 3 phase for up to 3 heating circuits
AG 101 S Ex	122x120x90	6mm <sup>2</sup>	1x M20 3x M20	Junction box equipped for star connection
AG 102 Ex	160x160x90	6mm <sup>2</sup>	1x M32 4x M20	Junction box 1 phase for up to 4 heating circuits
AG 102 3P Ex	160x160x90	6mm <sup>2</sup>	1x M32 4x M20	Junction box 3 phase for up to 4 heating circuits
AG 103 Ex	260x160x90	6mm <sup>2</sup>	1x M32 6x M20	Junction box 1 phase for up to 6 heating circuits
AG 103 D Ex	260x160x90	6mm <sup>2</sup>	1xM32 6xM20	Junction box 3 phase equipped for delta connection

Customized versions available upon request!