

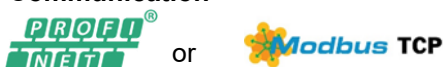
## Application

- Chemical Industry
- Pharma
- Oil- und Gas Industry
- Industrial wastewater treatment

## IO variations

- 16xDI Namur / 16x DO
- 32xDI Namur
- 8xDI Namur / 8xDO / 8xAI / 8xAO
- 8xDI Namur / 16xDO / 8xAI
- 8xDI Namur / 8xDO / 8xSwitch Mode

## Communication



BEx1 IO Box provides plant and machine manufacturer for the first time a decentralized and compact solution with Profinet or Modbus TCP/IP for hazardous area **Zone 1/21**.

## Customer value

- For optimal combining of intrinsically safe signals in the lower field level.
- Allows very short cable lengths to the solenoid valves and initiators which means significant cost and time savings during installation and maintenance.
- The Ethernet connection is designed with increased safety. An Ex media converter in the safe area is no longer required and the full Ethernet performance can be used

The ATEX certified system with field enclosure is designed for installation in Zone 1/21 and connects sensors and actuators from Zone 0/20.

BEx1 includes busnode, isolating amplifier and 32 intrinsically safe analog and digital IO channels on smallest space.

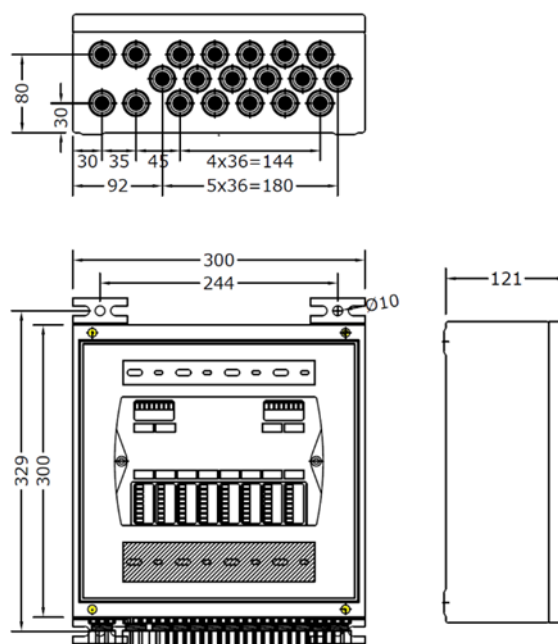
## Design field enclosure

Material:	Stainless steel 1.4404 (V4A)
Enclosure type:	IP 65
Dimensions:	300 x 300 x 121 mm
Certificate:	TPS 07 ATEX 61951 1
Type of protection:	II 2(1)G Ex e mb [ia Ga] IIC T4 Gb II 2D Ex tb IIC T80°C
Ambient temperature:	-40°C bis +54°C

### Consist of:

- 1 BEx1 Remote IO module
- 2 Cable gland M20x1,5 black (4-13 mm)
- 16 Cable gland M20x1,5 blue (4-13 mm)
- 4 Wall mounting brackets

The use of application and temperature range will be extended by different housing materials like Polyester or Aluminium.



Individual designs are short term possible via our system partner Exepd.

BEx module datasheet, manual and certificates see download page  
[www.bex-solution.com/downloads](http://www.bex-solution.com/downloads)