

ATEX REMOTE IO SOLUTIONS

ZONES 1, 2 (gas) & 21, 22 (dust)



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

Applications:

- Paint shops
- Pharmaceutical plants
- Chemical plants
- Tank farm
- Airfield tankers
- Bulk material plants
- Mixing / grinding plants
- Industrial heating / cooling systems
- Sewage treatment plants and much more

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.



EU-Type Examination Certificate



This ATEX certified system with field enclosure is designed for installation in Zone 1/21 and connects sensors and actuators from Zone 0/20. The system includes busnode, isolating amplifier and 32 intrinsically safe analog and digital IO channels on smallest space.

ITEM REFERENCES

Designation:	Item No.:
IO Box	9F0103

Ex i Input /Output

8 DO; 16 DI Namur

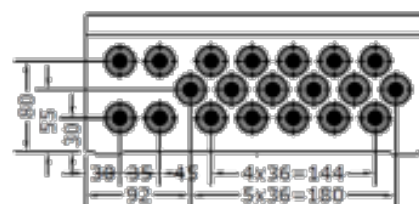
8 additional channels individually adjustable as AI, AO or DO or switch mode

Modern Bus Technology

Current versions in Profinet or Modbus TCP/IP

Out of the box!

no programming work on the module



TECHNICAL SPECIFICATIONS

Marking:	II 2(1) G Ex eb mb [ia Ga] IIC T4 Gb II 2(1) D Ex tb [ia Ga] IIIC T80°C Db
Certificate:	EU-Type Examination Certificate
Operating temperature:	-40°C to +54°C
Dimensions:	300x300x121 mm
Ingress protection:	IP65
Material:	Stainless steel 1.4404 (V4A)
Consist of:	1x IP20 Ex i IO module with Profinet or Modbus TCP/IP 2x Cable gland M20x1,5 black (4-13 mm) 16x Cable gland M20x1,5 blue (4-13 mm) 4x Wall mounting brackets
Shield rail with 8 shield connection clamps or EMC cable glands on request	

