



## Junction Boxes Series 8102

Explosion protection to –  
CENELEC – IEC.

Can be used in Zone 1 and Zone 2.

Equipped with 4 hood type terminlas  
and 1 PE connection.

Cable diameter range:

2 x 4 mm<sup>2</sup>, single wire.

Robust polyester resin enclosure .

Degree of protection

IP 66 / IP 67.

The 8102 series of junction boxes  
is used for carrying and distributing  
electrical power in hazardous areas.

The boxes are made of glass fibre  
reinforced polyester resin.

## Technical specifications

### Explosion protection

Ex II 2 G Ex e II T6/T5

### Certificate

PTB 01 ATEX 1136

### Other certificates

FM(USA), BKI(Hungary)

VNIEEF(Russia)

### Series

Ex e- and for series Ex i-circuits

### Enclosure material

Polyester cover

M4 Cheese head screw

### Rated voltage

690V AC, rated current max. 27 A

### Terminal assets

4 Terminals, 1 PE Terminal

For 2 x 4 mm<sup>2</sup>, solid

### Terminal

Coat terminal

### Cable entries

3 x integral sealing glands M20 x 1.5

### Ambient temperature

– 20° C to + 75° C (T6)

### Protection

IP66



**8102/21** CE 0158  
PTB 01 ATEX 1136  
II 2 G Ex e II T6/T5  
II 2 D Ex tD A21 IP66 T80°C/T95°C  
T6/T80°C -50°C ≤ Ta ≤ +40°C  
T5/T95°C -50°C ≤ Ta ≤ +55°C  
690 V 4 mm<sup>2</sup>  
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