

### General specifications TNUC

Material	Glass fibre reinforced polyester (GRP)
Temperature	-20°C to +40°C
Approvals	DNV-2004-OSL-ATEX-0121
Standards	Cenelec EN50014, EN50019
Lid/Door gasket	Perbunan
Colour	Black
Cover Screws	SS316
Electrical data	Umax = 750V, Imax = 500A
Earthing	PE bar and/or earth terminals Earth continuity plate/ earth tag upon request
Other options	Ref. TNUP datasheet



TNUC Measurement Table				
Type	Width [cm]	Height [cm]	Depth [cm]	Weight [kg]
121209	123	120	91	1,1
161609	160	160	92	1,5
252512	255	250	120	2,9
361609	360	160	92	2,5
402512	400	250	120	4,3
404117	400	405	165	6,1

The boxes are delivered with screws in lid as standard.

### Ex codes for TNCC and TNUC

Ex code	Description
EEx e II T5	Junction box with terminals and other EEx e components
EEx ed IIB/C T5	Control cabinet with control / signalling devices with EEx code 'd'
EEx em II T5	Control cabinet with components of EEx code 'm'
EEx edm IIB/C T5	Control cabinet with components of EEx code 'm' and control /signalling devices code 'd'
EEx ed[ia/ib] IIB/C T5	Control cabinet with control / signalling devices with EEx code 'd' and 'd' components with IS outputs
EEx em[ia/ib] IIB/C T5	Control cabinet with components 'm' including IS outputs
EEx edm[ia/ib] IIB/C T5	Control cabinet with control / signalling devices with EEx code 'd' and components 'm' including IS outputs
EEx edib[ia/ib] IIB/C T5	Control cabinet with control / signalling devices with EEx code 'd' components with IS output, and with 'ib' components
EEx emib[ia/ib] IIB/C T5	Control cabinet with 'm' components including IS outputs, and with 'ib' components
EEx edmib[ia/ib] IIB/C T5	Control cabinet with control / signalling devices code 'd' and components 'm' including IS output, and with 'ib' components.



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### Hazardous area information & terminology

#### ATEX Directive

The ATEX Directive, derived from the French "ATmosphères EXplosibles" and formally known as 94/9/EC, contains the ESR (Essential Safety Requirements) to which electrical equipment and protective systems used within potentially explosive atmospheres must conform.

The new ATEX Directive currently in place within the European Union was made mandatory on 1st July 2003. Primarily intended for manufacturers of hazardous area equipment for use in the presence of flammable gases, vapours, fumes or dusts, the new directive requires a quality management system to be implemented.

Procedures for the design, manufacture and verification of products are to be approved by a notified body (i.e. DNV, NEMKO, etc.) and all equipment conforming to the new directive will feature CE and Ex Marking.

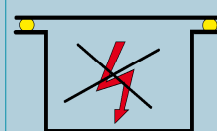
#### Zone Classification with the presence of GAS

<b>Zone 1 (Category 2)</b>	An area in which explosive gas is likely to be present during normal operation of the plant.
<b>Zone 2 (Category 3)</b>	An area in which explosive gas is not continuously present, but may exist for a short period of time.

#### Applicable EX protection

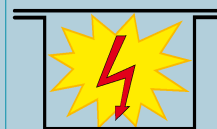
##### EEx e Protection

for electrical components that do not spark under normal working conditions but where measures are applied to prevent high temperatures and the occurrence of arcs and sparks internally.



##### EEx d Protection

Parts, which can ignite a potentially explosive atmosphere, are surrounded by an enclosure, which are designed to withstand the pressure of an internal explosion and to prevent the propagation of the explosion to the atmosphere surrounding the enclosure.



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