

Scope :

USER MANUAL TNBCD EXD ENCLOSURE



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Important !!! This manual is intended for empty enclosures. If the enclosure contains electrical equipment the additional documentation must be complied with.

Marking A certification label is attached to the enclosure, ref. Fig 1. If not otherwise noted with a special label the standard T.amb. is -20 to +40 degr. C

Handling Due to the weight and nature of the enclosures precautions have to be taken to avoid damages to the equipment and the individual. The enclosures flame path must be securely protected to avoid damage, all openings into the enclosure and that are not sealed is to be considered a flame path.

Installation/ Dismantling When mounting the enclosure ensure that the mounting support is able to take the full weight of the enclosure. If any twisting or bending is likely, use washers or packing plates as necessary before the screws or nuts are tightened.
DO NOT OPEN LID BEFORE THE ENCLOSURE IS SECURELY FASTENED. CHECK CATALOGUE FOR WEIGHT OF LID AND ACT ACCORDINGLY WHEN HANDLING THE LID. ALSO CHECK IF ENCLOSURE HAS BEEN SUPPLIED WITH HINGED LID.

When connecting cables, ensure the incoming cables/wires are isolated from all sources of power. Installation to be performed according standard EN60079-14 (NEK 420) and/or the requirements for the actual installation site.

NOTE! Always read the requirements in the certificate and in the documentation for the enclosure (wiring diagram etc.), before connecting the enclosure to power source and other equipment intended for the enclosure.

It is the company installing the enclosure that is responsible that the technical data for the enclosure match the technical data to which the enclosure is connected. Special attention to be made on the ex and safety aspects.

All entries to the enclosure must be of ex-approved types and all other openings blinded with an ATEX and / or IEC approved blindplug. The quantity and size/type of entries is defined in packing list and / or the drawing for the enclosure.

Apply copper grease to lid bolts, bolt threads and tapered holes, etc.

The lid screws of type A4/80, M12x25 to be fastened using a torque wrench with nominell 65 Nm / max 75Nm. Only screws supplied by Technor asa is allowed to be used.

When removing the enclosure, the same precautions apply as those observed when mounting the enclosure.

Inspection / Maintenance TNBCD enclosures are made of acid resistant stainless steel and thereof not subject to corrosion. Apply copper grease to lid bolts, bolt threads and tapered holes, etc. We recommend that maintenance is performed in accordance with the IEC 60079-17/60079-1 (NEK420) standards. If the flamepaths have evidence of wearing, distortion, corrosion or other damages the diametric clearance must be checked. Technor to be contacted to obtain the valid dimension and clearance. It is vital that threads and o-ring are protected with copper grease or other approved greases after they have been dismantled.

No high pressure water to be applied in the connection between lid and enclosure.

If any damages are found, the enclosure should be put out of service and the manufacture contacted.

Further technical information's is available on www.technor.no

Fig. 1

