



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE000020U
Revision No:
1

This is to certify:

That the Enclosure for Electrical Equipment

with type designation(s)
polyTOP PT 080 ... PT 400

Issued to
ROLEC Gehäuse- Systeme GmbH
Rinteln, Germany

is found to comply with
DNV rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV

Degree of protection IP 65/66/67 (NEMA 4X)
Vibration class A, B

Issued at **Hamburg** on **2022-08-23**

for **DNV**

This Certificate is valid until **2027-07-26**.

DNV local station: **Essen**

Approval Engineer: **Harald Amberger**

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Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

polyTOP enclosure, standard	
Sizes	Height 55 -120, Width 75 - 405, Depth 80 - 400 mm
Material	glass fibre reinforced polyester (UL 94 V0)
Gasket	chloropren
Ingress protection	IP 66/67 (NEMA 4X)
CSA report, Certificate of Compliance 1222928	

Application/Limitation

Operating instruction of the manufacturer to be observed

Type Approval documentation

TZO reports 085a/12; 085b/12; 085c/12:2012, ROLEC report(EN62208): 2012

Tests carried out

IEC 60529:2000; EN 62208:2003 subclause 9.8.1, dry heat, salt mist.

Marking of product

Manufacturers label containing data and manufacturers type number.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE