



Certificate No:
TAE00004FG

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Conduit, Fitting, Cable Pipe, Box, Etc.

with type designation(s)
KJB G Series

Issued to
KME Co., Ltd.
Busan, Korea, Republic of

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.

Issued at **Busan** on **2022-04-15**

This Certificate is valid until **2027-04-14**.

for **DNV**

DNV local station: **Gimhae Station**

Approval Engineer: **Eun Jin Lee**

.....
Hanwee Low
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.



Form code: TA 251

Revision: 2021-03

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Product description

GRP Ex junction box KJB G Series:

KJB-G121209

KJB-G161609

KJB-G261609

Ingress protection	IP66
Material	Glass fibre reinforced polyester(GRP)
Gasket material	Silicon rubber
Ambient temperature	-60°C ~ 55°C
Ex protection	Ex eb IIC T6/T5 Gb
(IECEx KTL 21.0008X)	Ex tb IIIC T80°C/T95°C Db

Application/Limitation

Maker's instructions and special conditions for safe use to be observed.

This certificate does not cover Ex-certificate. All details about electrical explosion protection mentioned in this certificate are for information only.

Type Approval documentation

Tests carried out

IEC 60079-0:2017, IEC 60079-7:2015, IEC 60079-31:2013

Marking of product

Manufacturer name

Type

Ex certificate no. and degree of protection

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