Certificate no.:
TAE000054G

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Electric Bus Bar

with type designation(s)
J-Link Plus, Insulated copper braided shunts

issued to
TEKNOMEGA S.r.l.
Corsico MI, MI, Italy

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 **Høvik** on **2025-09-24**
This Certificate is valid until **2030-08-10**.
DNV local unit: **Italy/Malta CMC**

for **DNV**

Approval Engineer: **Qiang William Guo**

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 USD 300 000.

Product description

Type: J-Link Plus, Insulated copper braided shunts

J-Link Plus is a ready-to-use flexible prefabricated shunt made of tinned copper braid, coated with halogen-free TPE insulation, which is highly resistant and self-extinguishing according to UL 94-V0. Insulation voltage 1000 V AC/1500 V DC. J-Link Plus is the quickest and most convenient solution to create electrical connections from 125 to 630 A.

Code	Reference	Cross-Section (mm²)	Example of use with switch of	Rated short-circuit peak Ipk** (kA)
JLK5251	JLP 25-230S	25	125 A	13,6
….	…			
JLK5260	JLP 25-1230S			
JLK5000	JLP 25-230	25	125 A	13,6
….	…			
JLK5024	JLP 25-1030			
JLK5025	JLP 35-230	35	160 A	30
…	…			
JLK5049	JLP 35-1030			
JLK5050	JLP 50-230	50	250 A	40
…	…			
JLK5074	JLP 50-1030			
JLK5140	JLP 85-230	85	350 A	40
…	…			
JLK5180	JLP 85-1030			
JLK5077	JLP 120-230	120	400 A	69,3
….	…			
JLK5098	JLP 120-1030			
JLK5100	JLP 240-330	240	630 A	84
…	…			
JLK5135	JLP 240-1030			

* For all types see Product information.
** Rated Short-Circuit Peak of the conductor from 0.2 s duration tests.

- conductor material: Tinned electrolytic copper
- Frequency (Hz): 50 or 60
- Rated voltage (V): 1000 AC, 1500 DC
- Flame retardance: UL94-V0
- Insulation: TPE compound

Application/Limitation

The instructions from manufacture should be observed before installation on board.

The range includes the Plus version, TPE-insulated, with blue line and a maximum operating temperature of 140 °C.

Installation/fixing to the structure to be done in accordance with the manufacturer's instructions.

Not to be used in hazardous zones and on open deck and in wet spaces such as cargo holds and below floor plates in engine rooms.

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 61439-1 & 2 edition3: 2020, Dielectric properties, temperature-rise, short circuit withstand strength,Flammability.

Marking of product

TEKNOMEGA S.r.l. – **J-LINK PLUS - JLKxxxx – Main data.**

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