



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE000001X
Revision No:
2

This is to certify:
that the Terminal Block

with type designation(s)
PIK, PYK, PUK and AVK

issued to
Klemsan Elektrik Elektronik San ve Tic A.S.
Izmir, Türkiye

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

Application:
For installations inside switchboards/ enclosures.

Products are approved by this certificate are accepted for installation on all vessels classed by DNV.

Issued at **Høvik** on **2024-07-10**

for **DNV**

This Certificate is valid until **2029-06-17**.

DNV local unit: **Istanbul**

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 300,000 USD.



Job Id: **262.1-031365-2**
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Product description

Type: PIK, PYK, PUK & AVK modular terminal blocks for rail T32, T35.

Insulating material: POLYAMID 66

To be marked:

Manufacturers name: Klemsan
 Type designation: As specified below.
 Voltage: As specified below.
 Rated cross section: As specified below.

List of sizes:

Type designation	Rated Voltage (V)	Rated Current (A)	Rated Cross-section (mm ²)
AVK 2.5	750	24	2.5
AVK 4	750	32	4
AVK 6	630	41	6
AVK 10	630	57	10
AVK 16	750	76	16
AVK 35	750	125	35
AVK 2.5/4T	NA	NA	4
AVK 6/10T	NA	NA	10
AVK 16/35 T	NA	NA	35
PIK 4 N	500	32	4
PIK 4 NK	500	32	4
PIK 4 ND	500	32	4
PIK 4 ND	500	32	4
PIK 4 NLD	500	32	4
PIK 4 NLD	500	32	4
PUK 3	440	24	2.5
PUK 2T	440	24	2.5
PUK 3T	440	24	2.5
AVK 2.5 RD	800	24	2.5
AVK 2.5 RTD	NA	NA	2.5
AVK 4 RD	800	32	4
AVK 4T RD	NA	NA	4
AVK 16 RD	800	76	16
AVK 16T RD	NA	NA	16
AVK 35 RD	800	125	35
AVK 35T RD	NA	NA	35
PYK 1.5	800	17.5	1.5
PYK 1.5T	800	NA	1.5

PYK 2.5	800	24	2.5
PYK 2.5T	800	NA	2.5
PYK 2.5-2F	500	24	2.5
PYK 2.5-2FT	500	24	2.5
PYK 2.5-3F	500	24	2.5
PYK 2.5-3FT	500	24	2.5
PYK 4	800	32	4
PYK 4T	800	NA	4
PYK 4-2F	500	32	4
PYK 6	800	41	6
PYK 6T	NA	NA	6
PYK 10	800	57	10
PYK 10T	NA	NA	10

Type Approval documentation

Technical info: Parts of Manufacturers' Catalogue, issued in 2011.
Test reports: VDE Reports 2248000-1442-0008/306074, 2248000-1442-0010/306074, 2248000-1442-0011/306074 - dated 2003-06-26; 2248000-1442-0012/121021, 2248000-1442-0008/146774-3, 2248000-1442-0008/146774-1, 2248000-1442-0008/146774-2, 2248000-1442-0008/146774-4, 2248000-1442-0013/146776-3, 2248000-1442-0013/146776-1, 2248000-1442-0013/146776-2, 2248000-1442-0013/146776-4 – dated 2012-02-27.

Tests carried out

Type tests according to IEC 60947-1 and IEC 60947-7-1

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