

CERTIFICATE OF COMPLIANCE

Certificate Number 20181114-E48031
Report Reference E48031-19961115
Issue Date 2018-NOVEMBER-14

Issued to: Paul Vahle GmbH & Co. KG
Postfach 1720
59172 Kamen Germany

This certificate confirms that representative samples of CRANE AND HOIST ELECTRIFICATION SYSTEMS
See Addendum Page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

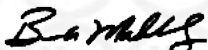
Standard(s) for Safety: UL 508, INDUSTRIAL CONTROL EQUIPMENT
CSA C22.2 NO. 33-M1984, CONSTRUCTION AND TEST OF ELECTRIC CRANES AND HOISTS
CSA C22.2 NO. 27-09, BUSWAYS

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

VKS Insulated Conductor System;

Contact Conductor, Type Designation followed by a number of characters up to 40 letters or numbers: VKS 3,4,5,6,7,8,9,10/10, VKS 3,4,5,6,7,8,9,10/63, VKS 3-10/63, VKS 3,4,5,6,7,8,9,10/60, VKS 3-10/60, VKS 3,4,5,6,7,8,9,10/100, VKS 3,4,5,6,7,8,9,10/120, VKS 6-10/120, VKS 3,4,5,6,7,8,9,10#/140, VKS 7,8,9,10/200, VKS 7,8,9,10/240, VKS 7,8,9,10/280.

Joint, Type Designation followed by a number of characters up to 40 letters or numbers: VM-SV 3,4,5,6/10-63, SVN 3,4,5,6/10-60, SVN 3,4,5,6/100-120, VM-SV 3,4,5,6/100-120, VM-SV 3,4,5,6,7,8,9,10/63-100, SVN 3,4,5,6,7,8,9,10/60-100, SVN 3,4,5,6,7,8,9,10#/120-140, VM-SV 3,4,5,6,7,8,9,10#/120-140.

End Feed Terminal, Type Designation followed by a number of characters up to 40 letters or numbers: VEKS 3, 4, 5, 6/10 R or L, ES-VEKS 3, 4, 5, 6/10 R or L, ES-VEKS 3, 4, 5, 6/63 R or L, VEKS 3, 4, 5, 6/60 R or L, ES-VEKS 3, 4, 5, 6/100 R or L, VEKS 3, 4, 5, 6/100 R or L, ES-VEKS 3, 4, 5, 6/120 R or L, VEKS 3, 4, 5, 6/120 R or L, ES-VEKS 7, 8, 9, 10#/140 R or L, VEKS 7, 8, 9, 10#/140 R or L.

Line Feed Terminal, Type Designation followed by a number of characters up to 40 letters or numbers: VNS 3, 4, 5, 6,10/10, ES-VNS 3, 4, 5, 6, 10/10, ES-VNS 3, 4, 5, 6, 10/63, VNS 3, 4, 5, 6,10/60, VLS 3-10/60 without Plug, ES-VLS 3-10/63 without Plug, VLS 3-10/60 with Plug Phoenix, ES-VLS 3-10/63 with Plug Phoenix, VLS 3-10/60 with Plug Lapp, ES-VLS 3-10/63 with Plug Lapp, ES-VNS 3, 4, 5, 6, 10/100, VNS 3, 4, 5, 6,10/120, ES-VNS 3, 4, 5, 6,10/120, VLS 6-10/120 without Plug, ES-VLS 6-10/120 without Plug, VLS 6-10/120 with Plug Phoenix, ES-VLS 6-10/120 with Plug Phoenix, VLS 6-10/120 with Plug Lapp, ES-VLS 6-10/120 with Plug Lapp, ES-VNS 3,4,5,6,7,8,9,10/140, VNS 3,4,5,6,7,8,9,10/140.

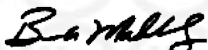
Line Feed Terminal, Type Designation followed by a number of characters up to 40 letters or numbers: ES-VLS 3, 4, 5, 6, 10/10, VLS 3, 4, 5, 6, 10/10, ES-VLS 3, 4, 5, 6, 7,8,9,10/63-100, VLS 3, 4, 5, 6, 7,8,9,10/60-100, ES-VLS 3, 4, 5, 6, 7,8,9,10/60-100, VLS 3, 4, 5, 6, 10/100, ES-VLS 3, 4, 5, 6, 10/100, VLS 3,4,5,6,7,8,9,10#/120-140, ES-VLS 3,4,5,6,7,8,9,10#/120-140.

Note: Models with 10# may be rated in parallel 140 A = 280 A.

Collector Cable, Type Designation followed by a number of characters up to 40 letters or numbers: FLA 2.5, AL-FLFLA 2.5, FLA 4, AL-FLFLA 4, WFLA 2.5, AL-FLFLA 2.5, FLA6, AL-FLFLA6.

Expansion Section, Type Designation followed by a number of characters up to 40 letters or numbers: DVKS 3, 4/10, DVKS 3, 4/63, DVKS 3, 4/60, DVKS 3, 4/100, DVKS 3, 4/120.

Hanger, Type Designation followed by a number of characters up to 40 letters or numbers: VEPS 3, 4, 6, 10, VAS 3, 4, 6, VES 3, 4, 6



Bruce Mahrenholz, Director North American Certification Program

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