

CERTIFICATE

Issued to:
Applicant:
PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstrasse 8
32825 Blomberg, Germany

Licensee:
PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstrasse 8
32825 Blomberg, Germany

Product : surge protective devices
Trade name(s) : PHOENIX CONTACT
Type(s)/model(s) : VAL-MS 690

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 61643-11:2012
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 900469

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 11 July 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-104925

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



David Huang
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: surge protective devices
Trade name(s)	: PHOENIX CONTACT
Type(s)/model(s)	: VAL-MS 690 ST, VAL-MS 690/3+0, VAL-MS 690/3+0-FM, VAL-MS 690/3+0-TX, VAL-MS 690/3+0-TX-FM, VAL-MS BE/3+0-TX, VAL-MS BE/3+0-TX-FM, VAL-MS/3+0-BE RN and VAL-MS/3+0-BE-FM RN
	: types may be followed by "/xxx"(x = 0 ...9) for packaging variants
SPD type/class	: 2/II
Maximum continuous operating voltage (Uc)	: 760 Vac
Voltage protection level (Up)	: 2,9 kV
Nominal discharge current (In)	: 20 kA
Maximum discharge current (Imax)	: 30 kA
Short-circuit current rating (Iscrr)	: 25 kA
Overcurrent protection	: 200 A gG
Rated load current (IL)	: 80 A

Product data – type VAL-MS 690 ST

Plug	: one pole
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Product data – type VAL-MS 690/3+0

Socket with plugs	: three pole without remote contact
Plugs	: VAL-MS 690 ST

Product data – type VAL-MS 690/3+0-FM

Socket with plugs	: three pole with remote contact
Plugs	: VAL-MS 690 ST

Product data – type VAL-MS 690/3+0-TX

Socket with plugs	: three pole with Torx screws and without remote contact
Plugs	: VAL-MS 690 ST

Product data – type VAL-MS 690/3+0-TX-FM

Socket with plugs	: three pole with Torx screws and with remote contact
Plugs	: VAL-MS 690 ST

Product data – type VAL-MS BE/3+0-TX

Socket without plugs	: three pole with Torx screws and without remote contact
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Product data – type VAL-MS BE/3+0-TX-FM

Socket without plugs	: three pole with Torx screws and remote contact
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Product data – type VAL-MS/3+0-BE RN

Socket without plugs	: three pole without remote contact
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Product data – type VAL-MS/3+0-BE-FM RN

Socket without plugs : three pole with remote contact

TESTS

Test requirements

EN 61643-11:2012

Test result

The test results are laid down in DEKRA test file 222833400.

Conclusion

The examination proved that all requirements were met.

Factory location

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstrasse 8
32825 Blomberg, Germany