

CERTIFICATE

Issued to:
Applicant:
DEHN + SÖHNE GmbH + Co.KG.
Hans-Dehn-Straße 1
92318 Neumarkt, Germany

Manufacturer/Licensee:
DEHN + SÖHNE GmbH + Co.KG.
Hans-Dehn-Straße 1
92318 Neumarkt, Germany

Product : Surge protective devices
Trade name : DEHN
Types/models : DSH TN 255 FM
DSH TNC 255 FM
DSH TNS 255 FM
DSH TT 255 FM
DSH TT 2P 255 FM

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; IEC 61643-11:2011;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 961720

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.

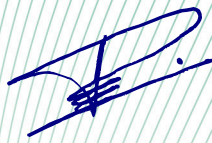
This certificate is issued on: 15 December 2016 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2195962.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



F.S. Strikwerda
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	:	DEHN
Types	:	DSH TN 255 FM DSH TNC 255 FM DSH TNS 255 FM DSH TT 255 FM DSH TT 2P 255 FM
SPD type/class	:	1/I and 2/II
Maximum continuous operating voltage (U_c)	:	255 Vac
Voltage protection level (U_p)	:	$\leq 1,5$ kV
Impulse discharge current (I_{imp})	:	See additional information
Nominal discharge current (I_n)	:	See additional information
Total discharge current (I_{Total})	:	See additional information
Short circuit current rating (I_{scsr})	:	25 kA
Overcurrent protection	:	160 A gL/gG

Additional information

Type	Part.No.	Mode	I_{imp} (kA)	I_n (kA)	I_{Total} (kA)
DSH TN 255 FM	941205	L/N-PE	12,5	12,5	25
DSH TNC 255 FM	941305	L-PEN	12,5	12,5	37,5
DSH TNS 255 FM	941405	L/N-PE	12,5	12,5	50
DSH TT 255 FM	941315	L-N	12,5	12,5	50
		N-PE	50	50	
DSH TT 2P 255 FM	941115	L-N	12,5	12,5	25
		N-PE	25	25	

TESTS**Test requirements**

EN 61643-11:2012

IEC 61643-11:2011

Test result

The test results are laid down in DEKRA test file 2195962.01.

Conclusion

The examination proved that all test requirements were met.

Tested by : C.C. Burger

A blue ink signature of C.C. Burger, consisting of a stylized 'C' and 'B' followed by a long horizontal stroke.

Checked by : M.T.H. van Gemen

A blue ink signature of M.T.H. van Gemen, featuring a complex, scribbled pattern of lines.**Factory locations**

DEHN + SÖHNE GmbH + Co.KG.

Hans-Dehn-Straße 1, 92318, Neumarkt

Germany