

# CERTIFICATE

Issued to:  
Applicant:  
**DEHN+ SÖHNE GmbH + Co. KG.**  
**Elektrotechnische Fabrik**  
**Hans-Dehn-Strasse 1**  
**92318 Neumarkt, Germany**

Manufacturer/Licensee:  
**DEHN+ SÖHNE GmbH + Co. KG.**  
**Elektrotechnische Fabrik**  
**Hans-Dehn-Strasse 1**  
**92318 Neumarkt, Germany**

Products : Surge protective devices  
Trade name : DEHN  
Types : DEHNshield DSH ...

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.

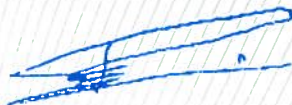
This certificate is issued on: 16 July 2014 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2169135.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



F.S. Strikwerda  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT**
**Product data**

Product	:	Surge protective devices
Trade name	:	DEHN
Types	:	DSH TN 255 DSH TNC 255 DSH TNS 255 DSH TT 255 DSH TT 2P 255
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
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)	Number of poles
DSH TN 255	941200	L/N-PE	12,5	12,5	25	2
DSH TNC 255	941300	L-PEN	12,5	12,5	37,5	3
DSH TNS 255	941400	L/N-PE	12,5	12,5	50	4
DSH TT 255	941310	L-N	12,5	12,5	50	4
		N-PE	50	50		
DSH TT 2P 255	941110	L-N	12,5	12,5	25	2
		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 2169135.01.

**Remarks**

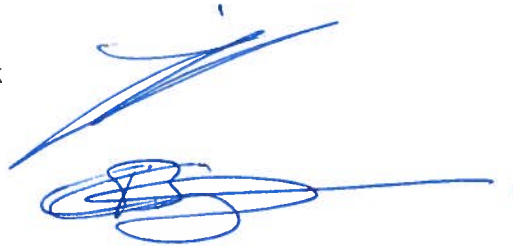
This certificate replaces certificate 2152979.01 issued on 29 May 2012.

**Conclusion**

The examination proved that all test requirements were met.

Tested by : C.H.J. Addink

Checked by : C.C. Burger

Two handwritten signatures in blue ink. The first signature is above the 'Tested by' line, and the second is above the 'Checked by' line.**Factory locations**DEHN+ SÖHNE GmbH + Co. KG., Elektrotechnische Fabrik  
Hans-Dehn-Strasse 1, 92318, Neumarkt  
Germany