

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 : DEHNguard M

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.

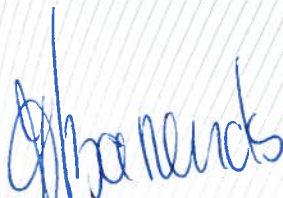
This certificate is issued on: 27 March 2015 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2168395.05

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.R.M. Barends
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT
Product data

Products	:	Surge protective devices
Trade name	:	DEHN
Types	:	DG M TNS 150 (FM) DG M TNS 275 (FM) DG M TNS 275 NL (FM) DG M TNS 385 (FM) DG M TT 150 (FM) DG M TT 275 (FM) DG M TT 275 NL (FM) DG M TT 320 (FM) DG M TT 385 (FM)
SPD type/class	:	2/II
Maximum continuous operating voltage (U_c)	:	See additional information
Nominal discharge current (I_n)	:	See additional information
Maximum discharge current (I_{max})	:	See additional information
Voltage protection level (U_p)	:	See additional information
Short-circuit current rating (I_{sccr})	:	See additional information
Maximum overcurrent protection (fuse)	:	125 A gL/gG

Additional information

Type	Part.No.	Plugin module	Mode	U_c (V)	I_n (kA)	I_{max} (kA)	U_p (kV)	I_{sccr} (kA)
DG M TNS 150 (FM)	952403/942408	952012	L/N>PE	150	15	40	0,7	50
DG M TNS 275 (FM)	952400/952405	952010	L/N>PE	275	20	40	1,5	50
DG M TNS 275 NL (FM)	952402/952407	952010	L/N>PE	275	20	40	1,5	50
DG M TNS 385 (FM)	952404/952409	952014	L/N>PE	385	20	40	1,75	25
DG M TT 150 (FM)	952323/952328	952012	L >N	150	15	40	0,7	50
		952050	N>PE	255	20	40	1,5	-
DG M TT 275 (FM)	952310/952315	952010	L >N	275	20	40	1,5	50
		952050	N>PE	255	20	40	1,5	-
DG M TT 275 (FM)	952315/S SN1725	952010	L >N	275	20	40	1,5	50
		952050	N>PE	255	20	40	1,5	-
DG M TT 275 NL (FM)	952312/952317	952010	L>N	275	20	40	1,5	50
		952050	N>PE	255	20	40	1,5	-
DG M TT 320 (FM)	952320/952325	952013	L>N	320	20	40	1,5	25
		952050	N>PE	255	20	40	1,5	-
DG M TT 385 (FM)	952311/952316	952014	L>N	385	20	40	1,75	25
		952050	N>PE	255	20	40	1,5	-

The surge protective devices may also be provided with remote contacts.
The type numbers are additionally provided with suffix FM.

Ratings:

Rated voltage(U_n):	250 Vac	250 Vdc	125 Vdc	75 Vdc
Rated current:	0,5 A	0,1 A	0,2 A	0,5 A
Connection:	max 1,5 mm ² solid or flexible			

TESTS**Test requirements**

EN 61643-11:2012

IEC 61643-11:2011

Test result

The test results are laid down in DEKRA test file 2168395.05 and are also based on CB AT 2938 and TRF No. CTI-PA 2972-1 to 2972-9.

Remarks

This certificate replaces certificate 2168395.05 issued on 12 March 2014.

Conclusion

The examination proved that all test requirements were met.

Tested by : OVE

Checked by : C.C. Burger

A handwritten signature in blue ink, appearing to be 'C.C. Burger', with a long horizontal stroke extending to the right.**Factory locations**

DEHN+ SÖHNE GmbH + Co. KG., Elektrotechnische Fabrik
Hans-Dehn-Str. 1, 92318, Neumarkt, Germany