

CERTIFICATE

Issued to:
Applicant:
DEHN SE
Hans-Dehn-Str. 1
92318 Neumarkt, Germany

Licensee:
DEHN SE
Hans-Dehn-Str. 1
92318 Neumarkt, Germany

Product : Surge protective devices
Trade name(s) : DEHN
Type(s)/model(s) : 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) and DG M TT 385 (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(s) EN 61643-11:2012 and EN 61643-11:2012/A11:2018
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 961720

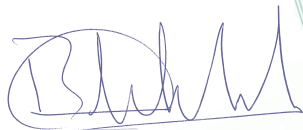
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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

This certificate is issued on 29 June 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-122886

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



R Zhou
Certification Manager

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SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Surge protective devices
Trade name(s)	: DEHN
Type(s)/model(s)	: 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) and DG M TT 385 (FM)
SPD type/class	: 2/II
Maximum discharge current (I _{max})	: 40 kA
Maximum overcurrent protection (fuse)	: 125 A gL/gG
Optional remote contact	: Type indication provided with suffix FM
Rated voltage (U _n) / current	: 250 Vac 250 Vdc 125 Vdc 75 Vdc 0,5 A 0,1 A 0,2 A 0,5 A
Connection	: Max 1,5 mm ² solid or flexible

Product data – type DG M TNS 150 (FM)

Part No.	: 952403/942408
Mode of protection	: L/N-PE
Maximum continuous operating voltage (U _c)	: 150 V
Voltage protection level (U _p)	: ≤ 0,7 kV
Nominal discharge current (I _n)	: 15 kA
Short-circuit current rating (I _{sc} cr)	: 50 kA
Plugin module	: 952012

Product data – type DG M TNS 275 (FM)

Part No.	: 952400/952405
Mode of protection	: L/N-PE
Maximum continuous operating voltage (U _c)	: 275 V
Voltage protection level (U _p)	: ≤ 1,5 kV
Nominal discharge current (I _n)	: 20 kA
Short-circuit current rating (I _{sc} cr)	: 50 kA
Plugin module	: 952010

Product data – type DG M TNS 275 NL (FM)

Part No.	: 952402/952407
Mode of protection	: L/N-PE
Maximum continuous operating voltage (U _c)	: 275 V
Voltage protection level (U _p)	: ≤ 1,5 kV
Nominal discharge current (I _n)	: 20 kA
Short-circuit current rating (I _{sc} cr)	: 50 kA
Plugin module	: 952010

Product data – type DG M TNS 385 (FM)

Part No.	: 952404/952409
Mode of protection	: L/N-PE
Maximum continuous operating voltage (U _c)	: 385 V
Voltage protection level (U _p)	: ≤ 1,75 kV

Nominal discharge current (In) : 20 kA
Short-circuit current rating (I_{sc}) : 25 kA
Plugin module : 952014

Product data – type DG M TT 150 (FM)

Part No. : 952323/952328
Mode of protection : L-N / N-PE
Maximum continuous operating voltage (U_c) : L-N: 150 V
N-PE: 255 V
Voltage protection level (U_p) : L-N: ≤ 0,7 kV
N-PE: ≤ 1,5 kV
Nominal discharge current (In) : L-N: 15 kA
N-PE: 20 kA
Short-circuit current rating (I_{sc}) : 50 kA
Plugin module : 952012 / 952050

Product data – type DG M TT 275 (FM)

Part No. : 952310/952315
952315/S SN1725
Mode of protection : L-N / N-PE
Maximum continuous operating voltage (U_c) : L-N: 275 V
N-PE: 255 V
Voltage protection level (U_p) : L-N: ≤ 1,5 kV
N-PE: ≤ 1,5 kV
Nominal discharge current (In) : L-N: 20 kA
N-PE: 20 kA
Short-circuit current rating (I_{sc}) : 50 kA
Plugin module : 952010 / 952050

Product data – type DG M TT 275 NL (FM)

Part No. : 952312/952317
Mode of protection : L-N / N-PE
Maximum continuous operating voltage (U_c) : L-N: 275 V
N-PE: 255 V
Voltage protection level (U_p) : L-N: ≤ 1,5 kV
N-PE: ≤ 1,5 kV
Nominal discharge current (In) : L-N: 20 kA
N-PE: 20 kA
Short-circuit current rating (I_{sc}) : 50 kA
Plugin module : 952010 / 952050

Product data – type DG M TT 320 (FM)

Part No. : 952320/952325
Mode of protection : L-N / N-PE
Maximum continuous operating voltage (U_c) : L-N: 320 V
N-PE: 255 V
Voltage protection level (U_p) : L-N: ≤ 1,5 kV
N-PE: ≤ 1,5 kV
Nominal discharge current (In) : L-N: 20 kA
N-PE: 20 kA
Short-circuit current rating (I_{sc}) : 25 kA
Plugin module : 952013 / 952050

Product data – type DG M TT 385 (FM)

Part No.	: 952311/952316
Mode of protection	: L-N / N-PE
Maximum continuous operating voltage (Uc)	: L-N: 385 V N-PE: 255 V
Voltage protection level (Up)	: L-N: $\leq 1,75$ kV N-PE: $\leq 1,5$ kV
Nominal discharge current (In)	: L-N: 20 kA N-PE: 20 kA
Short-circuit current rating (Iscpr)	: 25 kA
Plugin module	: 952014 / 952050

TESTS**Test requirements**

EN 61643-11:2012

EN 61643-11:2012/A11:2018

Test result

The test results are laid down in DEKRA test file 226472100.

Additional information

This certificate replaces certificate No. 2168395.05 which we hereby declare invalid.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 164748.