

# 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) : DEHNguard (S)MP

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

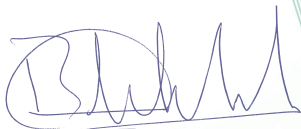
DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

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 22 August 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-124626

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



H.R.M. Barends  
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 MP TNC 150 FM, DG MP TNC 275, DG MP TNC 275 FM, DG MP TNC 385 FM, DG MP TNC 440 FM, DG MP TNS 150 FM, DG MP TNS 275, DG MP TNS 275 FM, DG MP TNS 385 FM, DG MP TN 150 FM, DG MP TN 275, DG MP TN 275 FM, DG MP TT 150 FM, DG MP TT 275, DG MP TT 275 FM, DG MP TT 2P 275, DG MP TT 2P 275 FM, DG MP TT 2P 320 FM, DG MP TT 2P 385 FM, DG MP TT 320 FM, DG MP TT 385 FM, DG MP WE 600 FM, DG SMP TNS 275 and DG SMP TNS 275 FM
SPD type/class	: 2/II and 3/III
Open circuit voltage (Uoc)	: L-N: 20 kV N-PE: 6 kV
Design	: Type indications with suffix FM are provided with a remote contact
Rated voltage (Un) / 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 <sup>2</sup> solid or flexible

**Product data – type DG MP TN 150 FM**

Part number	: 942207
Plug-in modules	: 952012
Maximum continuous operating voltage (Uc)	: L-PE: 150 V N-PE: 150 V
Nominal discharge current (In)	: 15 kA
Voltage protection level (Up)	: 0,7 kV
Maximum discharge current (Imax)	: 40 kA
Short-circuit current rating (Iscrr)	: 50 kA
Maximum overcurrent protection	: 125 A gL/gG fuse

**Product data – type DG MP TN 275**

Part number	: 942200
Plug-in modules	: 952010
Maximum continuous operating voltage (Uc)	: L-PE: 275 V N-PE: 275 V
Nominal discharge current (In)	: 20 kA
Voltage protection level (Up)	: 1,5 kV
Maximum discharge current (Imax)	: 40 kA
Short-circuit current rating (Iscrr)	: 50 kA
Maximum overcurrent protection	: 125 A gL/gG fuse

**Product data – type DG MP TN 275 FM**

Part number	: 942205
Plug-in modules	: 952010
Maximum continuous operating voltage (Uc)	: L-PE: 275 V N-PE: 275 V
Nominal discharge current (In)	: 20 kA
Voltage protection level (Up)	: 1,5 kV
Maximum discharge current (Imax)	: 40 kA
Short-circuit current rating (Iscrr)	: 50 kA

Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNC 150 FM**

Part number : 942318  
Plug-in modules : 952012  
Maximum continuous operating voltage (Uc) : L-PEN: 150 V  
Nominal discharge current (In) : 15 kA  
Voltage protection level (Up) : 0,7 kV  
Maximum discharge current (Imax) : 40 kA  
Short-circuit current rating (Iscrr) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNC 275**

Part number : 942300  
Plug-in modules : 952010  
Maximum continuous operating voltage (Uc) : L-PEN: 275 V  
Nominal discharge current (In) : 20 kA  
Voltage protection level (Up) : 1,5 kV  
Maximum discharge current (Imax) : 40 kA  
Short-circuit current rating (Iscrr) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNC 275 FM**

Part number : 942305  
Plug-in modules : 952010  
Maximum continuous operating voltage (Uc) : L-PEN: 275 V  
Nominal discharge current (In) : 20 kA  
Voltage protection level (Up) : 1,5 kV  
Maximum discharge current (Imax) : 40 kA  
Short-circuit current rating (Iscrr) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNC 385 FM**

Part number : 942319  
Plug-in modules : 952014  
Maximum continuous operating voltage (Uc) : L-PEN: 385 V  
Nominal discharge current (In) : 20 kA  
Voltage protection level (Up) : 1,75 kV  
Maximum discharge current (Imax) : 40 kA  
Short-circuit current rating (Iscrr) : 25 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNC 440 FM**

Part number : 942308  
Plug-in modules : 952015  
Maximum continuous operating voltage (Uc) : L-PEN: 440 V  
Nominal discharge current (In) : 20 kA  
Voltage protection level (Up) : 2,0 kV

Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 25 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNS 150 FM**

Part number : 942408  
Plug-in modules : 952012  
Maximum continuous operating voltage (U<sub>c</sub>) : L-PE: 150 V  
N-PE: 150 V  
Nominal discharge current (I<sub>n</sub>) : 15 kA  
Voltage protection level (U<sub>p</sub>) : 0,7 kV  
Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNS 275**

Part number : 942400  
Plug-in modules : 952010  
Maximum continuous operating voltage (U<sub>c</sub>) : L-PE: 275 V  
N-PE: 275 V  
Nominal discharge current (I<sub>n</sub>) : 20 kA  
Voltage protection level (U<sub>p</sub>) : 1,5 kV  
Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNS 275 FM**

Part number : 942405  
Plug-in modules : 952010  
Maximum continuous operating voltage (U<sub>c</sub>) : L-PE: 275 V  
N-PE: 275 V  
Nominal discharge current (I<sub>n</sub>) : 20 kA  
Voltage protection level (U<sub>p</sub>) : 1,5 kV  
Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TNS 385 FM**

Part number : 942409  
Plug-in modules : 952014  
Maximum continuous operating voltage (U<sub>c</sub>) : L-PE: 385 V  
N-PE: 385 V  
Nominal discharge current (I<sub>n</sub>) : 20 kA  
Voltage protection level (U<sub>p</sub>) : 1,75 kV  
Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 25 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 150 FM**

Part number : 942328  
Plug-in modules : L-N: 952012  
N-PE: 952050

Maximum continuous operating voltage (Uc) : L-N: 150 V  
N-PE: 255 V  
Nominal discharge current (In) : L-N: 15 kA  
N-PE: 20 kA  
Voltage protection level (Up) : L-N: 0,7 kV  
N-PE: 1,5 kV  
Maximum discharge current (Imax) : 40 kA  
Short-circuit current rating (Iscrr) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 275**

Part number : 942310  
Plug-in modules : L-N: 952010  
N-PE: 952050  
Maximum continuous operating voltage (Uc) : L-N: 275 V  
N-PE: 255 V  
Nominal discharge current (In) : 20 kA  
Voltage protection level (Up) : 1,5 kV  
Maximum discharge current (Imax) : 40 kA  
Short-circuit current rating (Iscrr) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 275 FM**

Part number : 942315  
Plug-in modules : L-N: 952010  
N-PE: 952050  
Maximum continuous operating voltage (Uc) : L-N: 275 V  
N-PE: 255 V  
Nominal discharge current (In) : 20 kA  
Voltage protection level (Up) : 1,5 kV  
Maximum discharge current (Imax) : 40 kA  
Short-circuit current rating (Iscrr) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 2P 275**

Part number : 942110  
Plug-in modules : L-N: 952010  
N-PE: 952050  
Maximum continuous operating voltage (Uc) : L-N: 275 V  
N-PE: 255 V  
Nominal discharge current (In) : 20 kA  
Voltage protection level (Up) : 1,5 kV  
Maximum discharge current (Imax) : 40 kA  
Short-circuit current rating (Iscrr) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 2P 275 FM**

Part number : 942115  
Plug-in modules : L-N: 952010  
N-PE: 952050  
Maximum continuous operating voltage (Uc) : L-N: 275 V  
N-PE: 255 V  
Nominal discharge current (In) : 20 kA  
Voltage protection level (Up) : 1,5 kV

Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 50 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 2P 320 FM**

Part number : 942135  
Plug-in modules : L-N: 952013  
N-PE: 952060  
Maximum continuous operating voltage (U<sub>c</sub>) : L-N: 320 V  
N-PE: 255 V  
Nominal discharge current (I<sub>n</sub>) : 20 kA  
Voltage protection level (U<sub>p</sub>) : 1,5 kV  
Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 25 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 2P 385 FM**

Part number : 942117  
Plug-in modules : L-N: 952014  
N-PE: 952060  
Maximum continuous operating voltage (U<sub>c</sub>) : L-N: 385 V  
N-PE: 255 V  
Nominal discharge current (I<sub>n</sub>) : 20 kA  
Voltage protection level (U<sub>p</sub>) : L-N: 1,75 kV  
N-PE: 1,5 kV  
Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 25 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 320 FM**

Part number : 942325  
Plug-in modules : L-N: 952013  
N-PE: 952050  
Maximum continuous operating voltage (U<sub>c</sub>) : L-N: 320 V  
N-PE: 255 V  
Nominal discharge current (I<sub>n</sub>) : 20 kA  
Voltage protection level (U<sub>p</sub>) : 1,5 kV  
Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 25 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP TT 385 FM**

Part number : 942317  
Plug-in modules : L-N: 952014  
N-PE: 952050  
Maximum continuous operating voltage (U<sub>c</sub>) : L-N: 385 V  
N-PE: 255 V  
Nominal discharge current (I<sub>n</sub>) : 20 kA  
Voltage protection level (U<sub>p</sub>) : L-N: 1,75 kV  
N-PE: 1,5 kV  
Maximum discharge current (I<sub>max</sub>) : 40 kA  
Short-circuit current rating (I<sub>sc</sub>) : 25 kA  
Maximum overcurrent protection : 125 A gL/gG fuse

**Product data – type DG MP WE 600 FM**

Part number	: 942307
Plug-in modules	: 952017
Maximum continuous operating voltage (Uc)	: L-PEN: 600 V
Nominal discharge current (In)	: 15 kA
Voltage protection level (Up)	: 3,0 kV
Maximum discharge current (Imax)	: 25 kA
Short-circuit current rating (Iscrr)	: 25 kA
Maximum overcurrent protection	: 100 A gL/gG fuse

**Product data – type DG SMP TNS 275**

Part number	: 942402
Plug-in modules	: 952010
Maximum continuous operating voltage (Uc)	: L-PE: 275 V N-PE: 275 V
Nominal discharge current (In)	: 20 kA
Voltage protection level (Up)	: 1,5 kV
Maximum discharge current (Imax)	: 40 kA
Short-circuit current rating (Iscrr)	: 50 kA
Maximum overcurrent protection	: 125 A gL/gG fuse

**Product data – type DG SMP TNS 275 FM**

Part number	: 942407
Plug-in modules	: 952010
Maximum continuous operating voltage (Uc)	: L-PE: 275 V N-PE: 275 V
Nominal discharge current (In)	: 20 kA
Voltage protection level (Up)	: 1,5 kV
Maximum discharge current (Imax)	: 40 kA
Short-circuit current rating (Iscrr)	: 50 kA
Maximum overcurrent protection	: 125 A gL/gG fuse

**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 226613500.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

The factory location is registered with the number 164748.