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 thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:
- a type test according to 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 6066552

DEKRA hereby grants the right to use the DEKRA Mark.

The DEKRA Mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Mark certification agreement.

This certificate is issued on 4 July 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-143567

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Miranda Zhou
Certification Manager

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DUTCH ACCREDITATION
COUNCIL

PRODUCTS
RvA C 001

71-143567

DEKRA Mark is the new KEMA-KEUR
The DEKRA Mark certificate for this product is to all intents and purposes equivalent to a KEMA-KEUR certificate, the other certification mark used by DEKRA and should be valued and used as such. DEKRA Mark is gradually replacing KEMA-KEUR.
For more information please check: Introducing DEKRA Mark

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 TNC 275, DG SMP TNC 275 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 mm² 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 (Isccr)	:	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 (Isccr)	:	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 (Isccr)	:	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 (Isccr)	:	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 (Isccr)	:	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 (Isccr)	:	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 (Isccr)	:	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 (Imax)	:	40 kA
Short-circuit current rating (Isccr)	:	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 (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 (Isccr)	:	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 (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 (Isccr)	:	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 (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 (Isccr)	:	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 (Uc)	:	L-PE: 385 V N-PE: 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 (Isccr)	:	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 (Isccr)	:	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 (Isccr)	:	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 (Isccr)	:	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 (Isccr)	:	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 (Imax)	:	40 kA
Short-circuit current rating (Isccr)	:	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 (Uc)	:	L-N: 320 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 (Isccr)	:	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 (Uc)	:	L-N: 385 V N-PE: 255 V
Nominal discharge current (In)	:	20 kA
Voltage protection level (Up)	:	L-N: 1,75 kV N-PE: 1,5 kV
Maximum discharge current (Imax)	:	40 kA
Short-circuit current rating (Isccr)	:	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 (Uc)	:	L-N: 320 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 (Isccr)	:	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 (Uc)	:	L-N: 385 V N-PE: 255 V
Nominal discharge current (In)	:	20 kA
Voltage protection level (Up)	:	L-N: 1,75 kV N-PE: 1,5 kV
Maximum discharge current (Imax)	:	40 kA
Short-circuit current rating (Isccr)	:	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 (Isccr)	:	25 kA
Maximum overcurrent protection	:	100 A gL/gG fuse

Product data – type DG SMP TNC 275

Part number	:	942302
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 (Isccr)	:	50 kA
Maximum overcurrent protection	:	125 A gL/gG fuse

Product data – type DG SMP TNC 275 FM

Part number	:	942306
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 (Isccr)	:	50 kA
Maximum overcurrent protection	:	125 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 (Isccr)	:	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 (Isccr)	:	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 documented in DEKRA test file 228915100.

Conclusion
The examination has confirmed that all requirements were met.

Factory location
The factory location is registered with the number 74868.