



For the protection of low voltage equipment against transient voltage and current surges mainly from atmospheric origin (*lightning*) and transient produced by switching characteristics such as in switching of distribution networks, transformers, motors, etc.

type	DEHN type	(10/350 μ s) L-N (Iimp)	(8/20 μ s) L-N (In)	max. volts L-N (Uc)	voltage protection (Up)	config	width in 18 mm
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DEHNventil Type 1+2 combined lightning and surge protection *(in a single unit)*

- Clamps voltage to less than 1500V as per SANS 10142-1:2008 table L1
- Prewired spark-gap-based type 1 and 2 combined lightning current and surge arrester

941110	shield	12.5 kA	12.5 kA	255 V	$\leq 1.5kV$	1ph+N	2
951110	ventil	25 kA	25 kA	264 V	$\leq 1.5kV$	1ph+N	4
951115*	ventil	25 kA	25 kA	264 V	$\leq 1.5kV$	1ph+N	4
941310	shield	12.5 kA	12.5 kA	255 V	$\leq 1.5kV$	3ph+N	4
951310	ventil	25 kA	25 kA	264 V	$\leq 1.5kV$	3ph+N	8
951315*	ventil	25 kA	25 kA	264 V	$\leq 1.5kV$	3ph+N	8

Type 1 combined lightning current and surge arrester with integrated backup fuse

961200	ventil CI	25 kA	–	255 V	$\leq 1.5kV$	ph	2
961205*	ventil CI	25 kA	–	255 V	$\leq 1.5kV$	ph	2
961180	gap	25 kA	–	255 V	$\leq 1.5kV$	N	2
961185*	gap	25 kA	–	255 V	$\leq 1.5kV$	N	2
961146	bloc	35 kA	–	440 V	$\leq 2.5kV$	ph	3
961176	bloc	35 kA	–	760 V	$\leq 4kV$	ph	3

* With signalling contacts for remote indication/monitoring of devices

DEHNgard basic Type 2 surge protection devices *(non-plug-in modules)*

900453	basic	–	5 kA	340 V	$\leq 1.2kV$	1ph+N	2
900454	basic	–	10 kA	340 V	$\leq 1.3kV$	1ph+N	2
900463	basic	–	10 kA	340 V	$\leq 1.3kV$	3ph+N	4

DEHNgard Type 2 surge protection devices

Minimum requirement as per SANS 10142-1:2008 annex L for use in all electrical distribution boards and sub boards. For installation in conformity with the lightning protection zone.

- Replaceable plug-in modules
- Visual fault indication
- Clamps voltage to less than 1500V as per SANS 10142-1:2008 table L1

I_{max} 40kA (8/20 μ s)

952070	guard	–	20 kA	275 V	$\leq 1.5kV$	ph	1
952090*	guard	–	20 kA	275 V	$\leq 1.5kV$	ph	1
952030	gap	12 kA	20 kA	255 V	$\leq 1.5kV$	N	1
952035*	gap	12 kA	20 kA	255 V	$\leq 1.5kV$	N	1
952110	guard	12 kA	20 kA	275 V	$\leq 1.5kV$	1ph+N	2
952115*	guard	12 kA	20 kA	275 V	$\leq 1.5kV$	1ph+N	2
952310	guard	12 kA	20 kA	275 V	$\leq 1.5kV$	3ph+N	4
952315*	guard	12 kA	20 kA	275 V	$\leq 1.5kV$	3ph+N	4

Type 2 surge protection device with backup fuse

952171	guard	12 kA	20 kA	275 V	$<1.5 kV$	1ph+N	2
952176*	guard	12 kA	20 kA	275 V	$<1.5 kV$	1ph+N	2
952322	guard	12 kA	12.5 kA	275 V	$<1.5 kV$	3ph+N	4
952327*	guard	12 kA	12.5 kA	275 V	$<1.5 kV$	3ph+N	4

* With signalling contacts for remote indication/monitoring of devices

DEHNgard S/M ACI 275 Type 2 arrester

With its new integrated switch/spark gap combination, ACI (*Advanced Circuit Interruption*) technology reduces complexity, improves system availability and saves time, space and material costs.

952341	guard	–	20 kA	275 V	$<1.5 kV$	3ph+N	4
952121	guard	–	20 kA	275 V	$<1.5 kV$	1ph+N	2
952100	guard	–	20 kA	275 V	$<1.5 kV$	ph	1

DEHNrail modular Type 3 surge protection devices

- Replaceable plug-in protection modules
- High discharge capacity due to heavy-duty oxide varistor / spark gap combination
- Energy coordination with other arrestors

953200	rail	12 kA	1 kA	30 V	$\leq 180 V$	ph	1
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