

GROUP 13 SURGE PROTECTION DEVICES



Unipolar surge protection device

Item	Rated voltage (Un)	Max. applied voltage (Uc)	Max. testing current (Imax) 8/20	Residual voltage Up. (L-PE)	Pcs per box
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Unipolar surge protection device class II°, removable protective module with zinc oxide varistor technology with out of commission visual indicator.

In accordance with IEC 61643-1 Standards.

2022S	230V	270V	20KA	960V	10
2040S	400V	480V	20KA	1580V	10
4522S	230V	270V	45KA	1000V	10
4540S	400V	480V	45KA	2100V	10
6522S	230V	270V	65KA	1200V	10
6540S	400V	480V	65KA	1950V	10

Visual diagnostic

Connecting section max. 50 mm²

Snap fitting on DIN guide bar

Operating temperature range between -30° C and +80°C.

Internal thermal fuse.

Intervention time <5 ns.

Weight 0.110 kg

Dimensions 18x92x65 mm

Unipolar surge protection device

Item	Rated voltage (Un)	Max. applied voltage (Uc)	Max. testing current (Imax) 8/20	Residual voltage Up. (L-PE)	Pcs per box
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Unipolar surge protection device class II°, removable protective module with zinc oxide varistor technology with out of commission visual indicator and contact for tele-signaling.

In accordance with IEC 61643-1 Standards.

4522DC	230V	270V	45KA	1000V	10
4540DC	400V	480V	45KA	2100V	10
6522DC	230V	270V	65KA	1200V	10
6540DC	400V	480V	65KA	1950V	10

Visual + contact diagnostic

Connecting section max. 50 mm²

Snap fitting on DIN guide bar

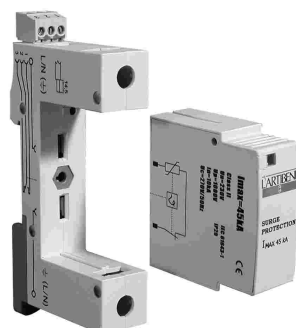
Operating temperature range between -30° C and +80°C.

Internal thermal fuse.

Intervention time <5 ns.

Weight 0.110 kg

Dimensions 18x92x65 mm



GROUP 13 SURGE PROTECTION DEVICES



Bipolar surge protection devices



Unipolar surge protection device class II°, removable protective module with zinc oxide varistor technology with out of commission visual indicator.
In accordance with IEC 61643-1 Standards.

Item	Rated voltage (Un)	Max. applied voltage (Uc)	Max. testing current (Imax) 8/20	Residual voltage Up. (L-PE)	Pcs per box
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22022S	230V	270V	20KA	960V	5
24522S	230V	270V	45KA	1000V	5

Diagnostic Led

Connecting section max. 50 mm²

Snap fitting on DIN guide bar

Operating temperature range between -30° C and +80°C.

Internal thermal fuse.

Intervention time <5 ns.

Weight 0.150 kg

Dimensions 36x92x65 mm

Tetrapolar surge protection devices



Tetrapolar surge protection device class II°, removable protective module with zinc oxide varistor technology with out of commission visual indicator.
In accordance with IEC 61643-1 Standards.

Item	Rated voltage (Un)	Max. applied voltage (Uc)	Max. testing current (Imax) 8/20	Residual voltage Up. (L-PE)	Pcs per box
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42040S	400V	480V	20KA	960V	2
44540S	400V	480V	45KA	1000V	2

Diagnostic Led

Connecting section max. 50 mm²

Snap fitting on DIN guide bar

Operating temperature range between -30° C and +80°C.

Internal thermal fuse.

Intervention time <5 ns.

Weight 0.180 kg

Dimensions 89x92x65 mm

GROUP 13 SURGE PROTECTION DEVICES



Tetrapolar surge protection devices

Item	Rated voltage (Un)	Max. applied voltage (Uc)	Max. testing current (Imax) 8/20	Residual voltage Up. (L-PE)	Pcs per box
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Tetrapolar surge protection device class II°, removable protective module with zinc oxide varistor technology with out of commission visual indicator and contact for tele-signaling.
In accordance with IEC 61643-1 Standards.

44540DC	400V	480V	45KA	1000V	2
48040DC	400V	480V	80KA	1200V	2
Diagnostic Led + contact					
Connecting section max. 50 mm ²					
Snap fitting on DIN guide bar					
Operating temperature range between -30° C and +75°C.					
Internal thermal fuse.					
Intervention time <5 ns.					
Weight 0.180 kg					
Dimensions 89x92x65 mm					

Self-inductance

Item	Rated voltage (Un)	Rated frequency	Rated current (In)	Rated inductance	Pcs per box
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Decoupling coil for installation in association with surge protection devices.
In accordance with IEC 61643-1 Standards.

L40K	500V	50/60 Hz	40A	Ln 15 µH + 0 - 20%	1
Connecting section max. 50 mm ²					
Snap fitting on DIN guide bar					
Operating temperature range between -30° C and +75°C.					
Degree of protection IP 20.					
Dimensions 36x92x65 mm					
Weight 0.280 kg					

Unipolar surge protection devices for direct burnt out

Item	Rated voltage (Un)	Max. applied voltage (Uc)	Max. testing current (Imax) 10/350	Pcs per box
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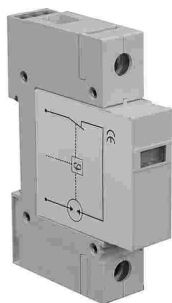
Unipolar surge protection device class I°, protection against direct burnt out with encapsulated gap spark technology.
In accordance with IEC 61643-1 Standards.

L35K	230V	250V	35KA	1
Connecting section max. 50 mm ²				
Snap fitting on DIN guide bar				
Operating temperature range between -30° C and +75°C.				
Internal thermal fuse.				
Intervention time <100 ns.				
Degree of protection <4 Kv				
Weight 0.180 kg				
Degree of protection IP 20				

GROUP 13 SURGE PROTECTION DEVICES



Unipolar surge protection devices N-PE	Item	Rated voltage (Un)	Max. applied voltage (Uc)	Weight/each	Pcs per box
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Unipolar surge protection device class II°, removable protective module. Encapsulated spark gap technology. Appropriate on TT nets, in 3+1 circuit between N wire (neutral) and PE protective wire (equipotential)
In accordance with IEC 61643-1 Standards.



L12K	230 V	260 V		Kg 0,180	1
Connecting section max. 25 mm ²					
Snap fitting on DIN guide bar					
Operating temperature range between -35° C and +80°C.					
Intervention time <100 ns.					
Degree of protection <1.5 Kv					
Degree of protection IP 20					
Max. testing current (I max.) 10/350 – 12 KA					
Max. testing current (I max.) 8/20 – 40 KA					
Diagnostic visual + contact					

Pre-assembled surge protection devices	Item	Modules	Weight/each	Technical data	
				Module L-N	Module N-PE



14512K

Pre-assembled surge protection device class II°, appropriate for TT nets. Removable protective module N-PE, spark gap technology (our item L12 K). Removable protective module or modules varistor technology L N (our item 4222DL)
In accordance with IEC 61643-1 Standards.



34512K



14512K	1+1	Kg	0,24		
34512K	3+1	Kg	0,48		
Connecting section		max. 50 mm ²		max. 25 mm ²	
Snap fitting		on DIN guide bar		on DIN guide bar	
Operating temperature		-30° C and +80°C		-30° C and +80°C	
Intervention time		≤ 5 ns.		≤100 ns.	
Rated voltage (Un)		230 V		230 V	
Maximum voltage (Un)		260 V		260 V	
Degree of protection		IP 20		IP 20	
Max. testing current (I max.) 10/350		----		12 KA	
Max. testing current (I max.) 8/20		40 KA		----	
Diagnostic		visual + contact		visual + contact	

Removable spare modules	Item	voltage Rated (Un)	Max. applied voltage (Uc)	Max. testing current (Imax) 8/20	Residual voltage Up. (L-PE)	Pcs per box
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Spare modules for unipolar surge protection devices with removable protective module.

S202	220V	270V	20KA	960V	10
S452	220V	270V	45KA	1000V	10
S652	220V	270V	65KA	1200V	10
S204	400V	480V	20KA	1580V	10
S454	400V	480V	45KA	2100V	10
S654	400V	480V	65KA	1950V	10
S12K Spare module for item L12K					1
Weight 0.045 kg					
Dimensions 18x50x57 mm					