

Surge Protection

Hager Surge Protection Devices (SPDs) protect electrical and electronic equipment against transients, originating from lightning, switching of transformers, lighting and motors. These transients can cause premature ageing of equipment, downtime, or complete destruction of electronic components and materials. SPDs are strongly recommended for installations that are exposed to transients, to protect sensitive and expensive electrical equipment such as TVs, washing machines, PCs, alarms etc.

Surge Protection Devices are classified according to their functions:

Type 1 SPD which can discharge partial lightning current with a typical waveform 10/350 μ s. Usually employs spark gap technology.

Type 2 SPD which can prevent the spread of overvoltages in the electrical installations and protects equipment connected to it. It usually employs metal oxide varistor (MOV) technology and is characterised by an 8/20 μ s current wave.

Type 3 SPD have a low discharge capacity. They must therefore only be installed as a supplement to Type 2 SPD and in the vicinity of sensitive loads.

Type 3 SPD s are characterised by a combination of voltage waves (1.2/50 μ s) and current waves (8/20 μ s).

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SPN140D

SPD Single Pole

Description	Cat ref.	Trade Price
SPD 1P pluggable 40kA class 2 with end of life indicator	SPN140D	102,89 £/prt.



SPN208D

SPD Double pole

Description	Cat ref.	Trade Price
SPD 2P pluggable 8kA class 2 with indicator	SPN208D	145,95 £/prt.
SPD 2P pluggable 65kA class 2 with reserve + remote contact	SPN265R	841,35 £/prt.
SPD 2P pluggable 40kA class 2 with reserve + remote contact	SPN240R	373,92 £/prt.
SPD 2P pluggable 40kA class 2 with end of life indicator	SPN240D	267,08 £/prt.
SPD 2P pluggable 15kA class 2 with reserve + remote contact	SPN215R	201,29 £/prt.
SPD 2P pluggable 15kA class 2 with end of life indicator	SPN215D	175,01 £/prt.



SPN465R

SPD Four Pole

Description	Cat ref.	Trade Price
SPD 4P pluggable 65kA class 2 with reserve + remote contact	SPN465R	1.288,95 £/prt.
SPD 4P pluggable 40kA class 2 with reserve + remote contact	SPN440R	420,56 £/prt.
SPD 4P pluggable 40kA class 2 with end of life indicator	SPN440D	398,31 £/prt.
SPD 4P pluggable 15kA class 2 with reserve + remote contact	SPN415R	394,66 £/prt.
SPD 4P pluggable 15kA class 2 with end of life indicator	SPN415D	350,15 £/prt.



SPN040R

Spare Cartridge Phase

Description	Cat ref.	Trade Price
Cartridge 40kA 275V for pluggable SPD with reserve	SPN040R	97,29 £/prt.
Cartridge 40kA 275V for pluggable SPD	SPN040D	84,65 £/prt.
Cartridge 15kA 275V for pluggable SPD with reserve	SPN015R	97,29 £/prt.
Cartridge 15kA 275V for pluggable SPD	SPN015D	84,65 £/prt.



SPN040N

Spare Cartridge Neutral

Description	Cat ref.	Trade Price
Cartridge neutral 40kA 255V for pluggable SPD without reserve	SPN040N	103,13 £/prt.



Cartridge for Photovoltaic SPDs

Description	Cat ref.	Trade Price
Cartridge +/- for SPV325	SPV025	144,01 £/prt.
Cartridge earth for SPV325	SPV025E	138,66 £/prt.

SPV025

Consumer Unit Kit Type 2 SPD with SPN215D (with lifetime indicator)

Description	Cat ref.	Trade Price
Consumer Unit Surge Protection Kit Type 2	VM02SPD	187,50 £/prt.



SPN208D

Double Pole Fine Protection SPDs

Description	Cat ref.	Trade Price
SPD 2P pluggable 8kA class 2 with indicator	SPN208D	145,95 £/prt.



SPN140D

SPD Single Pole

Description	Cat ref.	Trade Price
SPD 1P pluggable 40kA class 2 with end of life indicator	SPN140D	102,89 £/prt.



SPN265R

SPD Double pole

Description	Cat ref.	Trade Price
SPD 2P pluggable 65kA class 2 with reserve + remote contact	SPN265R	841,35 £/prt.
SPD 2P pluggable 40kA class 2 with reserve + remote contact	SPN240R	373,92 £/prt.
SPD 2P pluggable 40kA class 2 with end of life indicator	SPN240D	267,08 £/prt.
SPD 2P pluggable 15kA class 2 with reserve + remote contact	SPN215R	201,29 £/prt.
SPD 2P pluggable 15kA class 2 with end of life indicator	SPN215D	175,01 £/prt.



SPN465R

SPD Four Pole

Description	Cat ref.	Trade Price
SPD 4P pluggable 65kA class 2 with reserve + remote contact	SPN465R	1.288,95 £/prt.
SPD 4P pluggable 40kA class 2 with reserve + remote contact	SPN440R	420,56 £/prt.
SPD 4P pluggable 40kA class 2 with end of life indicator	SPN440D	398,31 £/prt.
SPD 4P pluggable 15kA class 2 with reserve + remote contact	SPN415R	394,66 £/prt.
SPD 4P pluggable 15kA class 2 with end of life indicator	SPN415D	350,15 £/prt.



SPN040R

Spare Cartridge Phase

Description	Cat ref.	Trade Price
Cartridge 40kA 275V for pluggable SPD with reserve	SPN040R	97,29 £/prt.
Cartridge 40kA 275V for pluggable SPD	SPN040D	84,65 £/prt.
Cartridge 15kA 275V for pluggable SPD with reserve	SPN015R	97,29 £/prt.
Cartridge 15kA 275V for pluggable SPD	SPN015D	84,65 £/prt.



SPN040N

Spare Cartridge Neutral

Description	Cat ref.	Trade Price
Cartridge neutral 40kA 255V for pluggable SPD without reserve	SPN040N	103,13 £/prt.



SPV025

Cartridge for PhotoVoltaic SPDs

Description	Cat ref.	Trade Price
Cartridge +/- for SPV325	SPV025	144,01 £/prt.
Cartridge earth for SPV325	SPV025E	138,66 £/prt.



SPN208D

Double Pole Fine Protection SPDs

Description	Cat ref.	Trade Price
SPD 2P pluggable 8kA class 2 with indicator	SPN208D	145,95 £/prt.



SPN203N

Class 3 (Fine Protection) (with lifetime indicator)

Description	Cat ref.	Trade Price
SPD 1P+N pluggable 3kA class 3 with end of life indicator	SPN203N	74,62 £/prt.



SPV325

PV Applications (DC side) (with lifetime indicator)

Description	Cat ref.	Trade Price
SPD pluggable photovoltaic 25kA class 2	SPV325	417,82 £/prt.



SPN015D

Phase Replacement Cartridges

Description	Cat ref.	Trade Price
Cartridge 15kA 275V for pluggable SPD	SPN015D	84,65 £/prt.
Cartridge 15kA 275V for pluggable SPD with reserve	SPN015R	97,29 £/prt.
Cartridge 40kA 275V for pluggable SPD	SPN040D	84,65 £/prt.
Cartridge 40kA 275V for pluggable SPD with reserve	SPN040R	97,29 £/prt.



SPN040N

Neutral Replacement Cartridges

Description	Cat ref.	Trade Price
Cartridge neutral 40kA 255V for pluggable SPD without reserve	SPN040N	103,13 £/prt.



SPN080

Replacement Cartridges (SPN8* Range)

Description	Cat ref.	Trade Price
Cartridge 25kA class 1 for SPN8xxx	SPN080	301,26 £/prt.
Cartridge neutral 25kA class 1 for SPN802 and SPN802R	SPN080N	372,40 £/prt.



SPA201

2 Pole

Description	Cat ref.	Trade Price
SPD 2P monobloc 12.5kA class 1 with light indicator TT + TN	SPA201	279,60 £/prt.



SPA401

4 Pole

Description	Cat ref.	Trade Price
SPD 4P monobloc 12.5kA class 1 with light indicator TT + TNS	SPA401	491,10 £/prt.
SPD 4P pluggable 100kA class 1 with end of life indicator TNS	SPN801	1.259,39 £/prt.
SPD 4P pluggable 100kA class 1 with end of life indicator TT	SPN802	1.300,60 £/prt.
SPD 4P pluggable 100kA class 1 with end of life indicator and remote contact TNS	SPN801R	1.410,43 £/prt.
SPD 4P pluggable 100kA class 1 with end of life indicator and remote contact TT	SPN802R	1.437,91 £/prt.



SPN215R

2 Pole

Description	Cat ref.	Trade Price
SPD 2P pluggable 15kA class 2 with reserve + remote contact	SPN215R	201,29 £/prt.
SPD 2P pluggable 40kA class 2 with reserve + remote contact	SPN240R	373,92 £/prt.



SPN415R

4 Pole

Description	Cat ref.	Trade Price
SPD 4P pluggable 15kA class 2 with reserve + remote contact	SPN415R	394,66 £/prt.
SPD 4P pluggable 40kA class 2 with reserve + remote contact	SPN440R	420,56 £/prt.