

## DÉCLARATION UE DE CONFORMITÉ N° 19.1209.09.19

EU DECLARATION OF CONFORMITY No.

**Nous / We** Hager Electro S.A.S.  
132 boulevard d'Europe  
F - 67215 Obernai Cedex

**Déclarons que le(s) produit(s)** / *Declare that the product(s)*

**Désignation / Designation** Parafoudres  
Surge protection devices

**Référence(s) / Type reference(s)** SPNxxxx - SPDxxxx

**Marque commerciale / Trademark** Hager

**Est (sont) conforme(s) à la législation d'harmonisation de l'Union applicable :**  
*is (are) in conformity with the relevant Union harmonization legislation:*

- Directive Basse Tension (DBT) N° 2014/35/UE - Low Voltage Directive (LVD) N° 2014/35/EU
- Directive Compatibilité Electromagnétique (CEM) N° 2014/30/UE - Electromagnetic Compatibility Directive (EMC) N° 2014/30/EU
- Directive relative à la limitation de l'utilisation de certaines substances dangereuses N° 2011/65/UE modifiée par N° (EU) 2015/863 - Directive on the Restriction of the use of certain Hazardous Substances (RoHS) N° 2011/65/EU amended by N° (EU) 2015/863

**Norme(s) et/ou texte(s) de référence / Standard(s) and/or relevant document(s)**  
*N° Norme + amendements avec dates d'édition / Standard number + relevant amendments together with the edition dates*

EN 61643-11 : 2002-05 + A11 : 2007-01  
EN 63000:2018

**La présente déclaration de conformité est établie sous la seule responsabilité du fabricant.**  
*This declaration of conformity is issued under the sole responsibility of the manufacturer.*

**Nom du signataire / Name of signatory**  
Thierry Lienhardt

**Fonction du signataire / Function of signatory**  
Responsable Homologation-Validation  
Approval Validation Manager

**Lieu et date / Place and date**  
Obernai, le 30 Aout 2019

**Signature / Signature**



## DÉCLARATION UE DE CONFORMITÉ

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### Références produits :

Type references :

Type spectrum SPN/SPD series covered by test reports CTI-CB 863-1 to CTI-CB 863-7:

SPN xxx (German Range) types with  $U_c=275V$  (power distribution system 230V/400V)

Complete SPD:

| SPD – Complete module | SPD ordering code | Earthing system                                           | Construction                                |                                                                      | Poles | Covered by test reports |
|-----------------------|-------------------|-----------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------|-------|-------------------------|
| SPN 115               | 566 070           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 230/400V$ ) | varistor                                    |                                                                      | 1     | CTI-CB 863-1            |
| SPN 117               | 566 071           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 230/400V$ ) | varistor + remote contact                   |                                                                      | 1     | CTI-CB 863-1            |
| SPN 118               | 566 072           | TN/TT → N-PE<br>( $U_0 \leq 230/400V$ )                   | gas discharge tube                          |                                                                      | 1     | CTI-CB 863-1            |
| SPN 315               | 566 073           | TN-C ( $U_0 \leq 230/400V$ )                              | L1/L2/L3-PEN varistor                       |                                                                      | 3     | CTI-CB 863-1            |
| SPN 317               | 566 074           | TN-C ( $U_0 \leq 230/400V$ )                              | L1/L2/L3-PEN: varistor<br>+ remote contact  |                                                                      | 3     | CTI-CB 863-1            |
| SPN 415               | 566 075           | TN-S ( $U_0 \leq 230/400V$ )                              | L1/L2/L3/N-PE: varistor                     |                                                                      | 4     | CTI-CB 863-1            |
| SPN 417               | 566 076           | TN-S ( $U_0 \leq 230/400V$ )                              | L1/L2/L3/N-PE: varistor<br>+ remote contact |                                                                      | 4     | CTI-CB 863-1            |
| SPN 418               | 566 077           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 3+1<br>circuit                              | L1/L2/L3-N: varistor<br>N-PE: gas discharge tube                     | 4     | CTI-CB 863-1            |
| SPN 419               | 566 078           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 3+1<br>circuit                              | L1/L2/L3-N: varistor<br>N-PE: gas discharge tube<br>+ remote contact | 4     | CTI-CB 863-1            |

SPD replacement plugs for complete modules:

| SPD – replacement plug | SPD ordering code | Construction                                                          | $U_c$<br>[V AC] | Class II      |                   | backup fuse | $I_{SCCR}$<br>[kA] | $U_p$<br>[kV] |
|------------------------|-------------------|-----------------------------------------------------------------------|-----------------|---------------|-------------------|-------------|--------------------|---------------|
|                        |                   |                                                                       |                 | $I_n$<br>[kA] | $I_{max}$<br>[kA] |             |                    |               |
| SPN 015                | 566 067           | Varistor replacement plug                                             | 275             | 20            | 40                | 125A gL/gG  | 50                 | $\leq 1,5$    |
| SPN 018                | 566 068           | gas discharge tube replacement plug for:<br>SPN 118, SPN 418, SPN 419 | 255             | 20            | 40                | -           | -                  | $\leq 1,5$    |

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### Références produits :

Type references :

SPN xxx (German Range) types with  $U_c=440V$  (power distribution system 400V/690V)

Complete SPD

| SPD – Complete module | SPD ordering code | Earthing system                                           | Construction                               | Poles | Covered by test reports |
|-----------------------|-------------------|-----------------------------------------------------------|--------------------------------------------|-------|-------------------------|
| SPN 113               | 566 069           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 400/690V$ ) | varistor                                   | 1     | CTI-CB 863-2            |
| SPN 513               | 566 079           | TN-C ( $U_0 \leq 400/690V$ )                              | L1/L2/L3-PEN: varistor                     | 3     | CTI-CB 863-2            |
| SPN 517               | 566 080           | TN-C ( $U_0 \leq 400/690V$ )                              | L1/L2/L3-PEN: varistor<br>+ remote contact | 3     | CTI-CB 863-2            |

SPD replacement plugs for complete modules:

| SPD – replacement plug | SPD ordering code | Construction              | $U_c$<br>[V AC] | Class II      |                   | backup fuse | $I_{sccr}$<br>[kA] | $U_p$<br>[kV] |
|------------------------|-------------------|---------------------------|-----------------|---------------|-------------------|-------------|--------------------|---------------|
|                        |                   |                           |                 | $I_n$<br>[kA] | $I_{max}$<br>[kA] |             |                    |               |
| SPN 013                | 566 066           | Varistor replacement plug | 440             | 20            | 40                | 125A gL/gG  | 25                 | $\leq 2,0$    |

SPN xxxD (without Reserve) types with  $U_c=275V$  (power distribution system 230V/400V)

Complete SPD:

| SPD – Complete module | SPD ordering code | Earthing system                                           | Construction   |                                                 | Poles | Covered by test reports                  |
|-----------------------|-------------------|-----------------------------------------------------------|----------------|-------------------------------------------------|-------|------------------------------------------|
| SPN 115D              | 566 022           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 230/400V$ ) | varistor       |                                                 | 1     | CTI-CB 863-3                             |
| SPN 140D              | 566 023           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 230/400V$ ) | varistor       |                                                 | 1     | CTI-CB 863-4                             |
| SPN 215D              | 566 024           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 1+1<br>circuit | L-N varistor<br>N-PE: gas discharge tube        | 2     | CTI-CB 863-3 (L-N)<br>CTI-CB 863-1(N-PE) |
| SPN 240D              | 566 025           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 1+1<br>circuit | L-N varistor<br>N-PE: gas discharge tube        | 2     | CTI-CB 863-4 (L-N)<br>CTI-CB 863-1(N-PE) |
| SPN 415D              | 566 026           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 3+1<br>circuit | L1/L2/L3-N varistor<br>N-PE: gas discharge tube | 4     | CTI-CB 863-3 (L-N)<br>CTI-CB 863-1(N-PE) |
| SPN 440D              | 566 027           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 3+1<br>circuit | L1/L2/L3-N varistor<br>N-PE: gas discharge tube | 4     | CTI-CB 863-4 (L-N)<br>CTI-CB 863-1(N-PE) |

SPD replacement plugs for complete modules:

| SPD – replacement plug | SPD ordering code | Construction                                                                            | $U_c$<br>[V AC] | Class II      |                   | backup fuse | $I_{sccr}$<br>[kA] | $U_p$<br>[kV] |
|------------------------|-------------------|-----------------------------------------------------------------------------------------|-----------------|---------------|-------------------|-------------|--------------------|---------------|
|                        |                   |                                                                                         |                 | $I_n$<br>[kA] | $I_{max}$<br>[kA] |             |                    |               |
| SPN 015D               | 566 018           | Varistor replacement plug for<br>→ SPN 115D, SPN 215D,<br>SPN 415D                      | 275             | 5             | 15                | 125A gL/gG  | 50                 | $\leq 1,0$    |
| SPN 040D               | 566 019           | Varistor replacement plug for<br>→ SPN 140D, SPN 240D,<br>SPN 440D                      | 275             | 15            | 40                | 125A gL/gG  | 50                 | $\leq 1,2$    |
| SPN 040N               | 566 021           | gas discharge tube<br>replacement plug for<br>SPN 215D, SPN 240D,<br>SPN 415D, SPN 440D | 255             | 20            | 40                | -           | -                  | $\leq 1,5$    |

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### Références produits :

Type references :

SPN xxxC (without Reserve) types with  $U_c=440V$  (power distribution system 400V/690V)

Complete SPD

| SPD – Complete module | SPD ordering code | Earthing system                                           | Construction | Poles | Covered by test reports |
|-----------------------|-------------------|-----------------------------------------------------------|--------------|-------|-------------------------|
| SPN 140C              | 566 028           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 400/690V$ ) | varistor     | 1     | CTI-CB 863-5            |

SPD replacement plugs for complete modules:

| SPD – replacement plug | SPD ordering code | Construction              | $U_c$<br>[V AC] | Class II      |                   | backup fuse | $I_{scCR}$<br>[kA] | $U_p$<br>[kV] |
|------------------------|-------------------|---------------------------|-----------------|---------------|-------------------|-------------|--------------------|---------------|
|                        |                   |                           |                 | $I_n$<br>[kA] | $I_{max}$<br>[kA] |             |                    |               |
| SPN 040C               | 566 020           | Varistor replacement plug | 440             | 15            | 40                | 125A gL/gG  | 25                 | $\leq 2,0$    |

SPD xxxD (Asia Range) types with  $U_c=275V$  (power distribution system 230V/400V)

Complete SPD:

| SPD – Complete module | SPD ordering code | Earthing system                                           | Construction                                                    | Poles | Covered by test reports                  |
|-----------------------|-------------------|-----------------------------------------------------------|-----------------------------------------------------------------|-------|------------------------------------------|
| SPD 140D              | 566 045           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 230/400V$ ) | varistor                                                        | 1     | CTI-CB 863-7                             |
| SPD 240D              | 566 047           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 1+1 circuit<br>L-N: varistor<br>N-PE: gas discharge tube        | 2     | CTI-CB 863-7 (L-N)<br>CTI-CB 863-1(N-PE) |
| SPD 215D              | 566 046           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 1+1 circuit<br>L-N: varistor<br>N-PE: gas discharge tube        | 2     | CTI-CB 863-6 (L-N)<br>CTI-CB 863-1(N-PE) |
| SPD 440D              | 566 049           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 3+1 circuit<br>L1/L2/L3-N: varistor<br>N-PE: gas discharge tube | 4     | CTI-CB 863-7 (L-N)<br>CTI-CB 863-1(N-PE) |
| SPD 415D              | 566 048           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 3+1 circuit<br>L1/L2/L3-N: varistor<br>N-PE: gas discharge tube | 4     | CTI-CB 863-6 (L-N)<br>CTI-CB 863-1(N-PE) |

SPD replacement plugs for complete modules:

| SPD – replacement plug | SPD ordering code | Construction                                                                             | $U_c$<br>[V AC] | Class II      |                   | backup fuse | $I_{scCR}$<br>[kA] | $U_p$<br>[kV] |
|------------------------|-------------------|------------------------------------------------------------------------------------------|-----------------|---------------|-------------------|-------------|--------------------|---------------|
|                        |                   |                                                                                          |                 | $I_n$<br>[kA] | $I_{max}$<br>[kA] |             |                    |               |
| SPD 015D               | 566 042           | Varistor replacement plug for<br>→ SPD 215D, SPD 415D                                    | 275             | 5             | 15                | 125A gL/gG  | 50                 | $\leq 1,0$    |
| SPD 040D               | 566 043           | Varistor replacement plug for<br>→ SPD 140D, SPD 240D,<br>SPD 440D                       | 275             | 15            | 40                | 125A gL/gG  | 50                 | $\leq 1,2$    |
| SPD 040N               | 566 044           | gas discharge tube<br>replacement plug for:<br>SPN 240D, SPN 215D,<br>SPN 440D, SPN 415D | 255             | 20            | 40                | -           | -                  | $\leq 1,5$    |

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### Références produits :

Type references :

SPN xxx (German Range) types with  $U_c=440V$  (power distribution system 400V/690V)

Complete SPD

| SPD – Complete module | SPD ordering code | Earthing system                                           | Construction                               | Poles | Covered by test reports |
|-----------------------|-------------------|-----------------------------------------------------------|--------------------------------------------|-------|-------------------------|
| SPN 113               | 566 069           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 400/690V$ ) | varistor                                   | 1     | CTI-CB 863-2            |
| SPN 513               | 566 079           | TN-C ( $U_0 \leq 400/690V$ )                              | L1/L2/L3-PEN: varistor                     | 3     | CTI-CB 863-2            |
| SPN 517               | 566 080           | TN-C ( $U_0 \leq 400/690V$ )                              | L1/L2/L3-PEN: varistor<br>+ remote contact | 3     | CTI-CB 863-2            |

SPD replacement plugs for complete modules:

| SPD – replacement plug | SPD ordering code | Construction              | $U_c$<br>[V AC] | Class II      |                   | backup fuse | $I_{SCCR}$<br>[kA] | $U_p$<br>[kV] |
|------------------------|-------------------|---------------------------|-----------------|---------------|-------------------|-------------|--------------------|---------------|
|                        |                   |                           |                 | $I_n$<br>[kA] | $I_{max}$<br>[kA] |             |                    |               |
| SPN 013                | 566 066           | Varistor replacement plug | 440             | 20            | 40                | 125A gL/gG  | 25                 | $\leq 2,0$    |

Type spectrum covered by this test reports:

SPD xxxD (Asia Range) types with  $U_c=275V$  (power distribution system 230V/400V)

Complete SPD:

| SPD – Complete module | SPD ordering code | Earthing system                    | Construction                                                       | Poles | Covered by test reports                  |
|-----------------------|-------------------|------------------------------------|--------------------------------------------------------------------|-------|------------------------------------------|
| SPD 215D              | 566 046           | TN-S/TT<br>( $U_0 \leq 230/400V$ ) | 1+1<br>circuit<br>L-N: varistor<br>N-PE: gas discharge tube        | 2     | CTI-CB 863-6 (L-N)<br>CTI-CB 863-1(N-PE) |
| SPD 415D              | 566 048           | TN-S/TT<br>( $U_0 \leq 230/400V$ ) | 3+1<br>circuit<br>L1/L2/L3-N: varistor<br>N-PE: gas discharge tube | 4     | CTI-CB 863-6 (L-N)<br>CTI-CB 863-1(N-PE) |

SPD replacement plugs for complete modules:

| SPD – replacement plug | SPD ordering code | Construction                                                      | $U_c$<br>[V AC] | Class II      |                   | backup fuse | $I_{SCCR}$<br>[kA] | $U_p$<br>[kV] |
|------------------------|-------------------|-------------------------------------------------------------------|-----------------|---------------|-------------------|-------------|--------------------|---------------|
|                        |                   |                                                                   |                 | $I_n$<br>[kA] | $I_{max}$<br>[kA] |             |                    |               |
| SPD 015D               | 566 042           | Varistor replacement plug for<br>→ SPD 215D, SPD 415D             | 275             | 5             | 15                | 125A gL/gG  | 50                 | $\leq 1,0$    |
| SPD 040N               | 566 044           | gas discharge tube<br>replacement plug for:<br>SPN 215D, SPN 415D | 255             | 20            | 40                | -           | -                  | $\leq 1,5$    |

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### Références produits :

Type references :

SPD xxxD (Asia Range) types with  $U_c=275V$  (power distribution system 230V/400V)

Complete SPD:

| SPD – Complete module | SPD ordering code | Earthing system                                           | Construction   |                                                  | Poles | Covered by test reports                  |
|-----------------------|-------------------|-----------------------------------------------------------|----------------|--------------------------------------------------|-------|------------------------------------------|
| SPD 140D              | 566 045           | TT → L-N<br>TN → L-(PE)N, N-PE<br>( $U_0 \leq 230/400V$ ) | varistor       |                                                  | 1     | CTI-CB 863-7                             |
| SPD 240D              | 566 047           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 1+1<br>circuit | L-N: varistor<br>N-PE: gas discharge tube        | 2     | CTI-CB 863-7 (L-N)<br>CTI-CB 863-1(N-PE) |
| SPD 440D              | 566 049           | TN-S/TT<br>( $U_0 \leq 230/400V$ )                        | 3+1<br>circuit | L1/L2/L3-N: varistor<br>N-PE: gas discharge tube | 4     | CTI-CB 863-7 (L-N)<br>CTI-CB 863-1(N-PE) |

SPD replacement plugs for complete modules:

| SPD – replacement plug | SPD ordering code | Construction                                                       | $U_c$<br>[V AC] | Class II      |                   | backup fuse | $I_{SCCR}$<br>[kA] | $U_p$<br>[kV] |
|------------------------|-------------------|--------------------------------------------------------------------|-----------------|---------------|-------------------|-------------|--------------------|---------------|
|                        |                   |                                                                    |                 | $I_n$<br>[kA] | $I_{max}$<br>[kA] |             |                    |               |
| SPD 040D               | 566 043           | Varistor replacement plug for<br>→ SPD 140D, SPD 240D,<br>SPD 440D | 275             | 15            | 40                | 125A gL/gG  | 50                 | $\leq 1,2$    |
| SPD 040N               | 566 044           | gas discharge tube<br>replacement plug for:<br>SPN 240D, SPN 440D  | 255             | 20            | 40                | -           | -                  | $\leq 1,5$    |

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### Module(s) de preuve(s) *Evidence(s)*

Les documents listés ci-dessous ont servis de base pour l'établissement de la conformité aux exigences essentielles des directives appliquées :

*Documents listed below have been used in order to establish the conformity to the essential requirements of the relevant directives*

According to supplier's information

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| Type reference                                                                                  | Certificate N°                      |
|-------------------------------------------------------------------------------------------------|-------------------------------------|
| SPD015D<br>SPD040D<br>SPD040N<br>SPD140D<br>SPD215D<br>SPD240D<br>SPD415D<br>SPD440D            | NTR NL_6629                         |
| SPN015D<br>SPN040C<br>SPN115D<br>SPN140C<br>SPN140D<br>SPN215D<br>SPN240D<br>SPN415D<br>SPN440D | NTR NL_6630                         |
| SPN113<br>SPN117                                                                                | VDE License 40027729                |
| SPN118<br>SPN315<br>SPN317<br>SPN417<br>SPN418<br>SPN419                                        | VDE License 40027731                |
| SPN013<br>SPN018<br>SPN513<br>SPN517                                                            | According to supplier's information |