

**CB TEST CERTIFICATE** **CERTIFICAT D'ESSAI OC**

**Product**  
Produit

**Name and address of the applicant**  
Nom et adresse du demandeur

**Name and address of the manufacturer**  
Nom et adresse du fabricant

**Name and address of the factory**  
Nom et adresse de l'usine

*Note: When more than one factory, please report on page 2  
Note: Lorsque il y a plus d'une usine, veuillez utiliser la 2<sup>ème</sup> page*

**Ratings and principal characteristics**  
Valeurs nominales et caractéristiques principales

**Trademark (if any)**  
Marque de fabrication (si elle existe)

**Type of Manufacturer's Testing Laboratories used**  
Type de programme du laboratoire d'essais constructeur

**Model / Type Ref.**  
Ref. de type

**Additional information (if necessary may also be reported on page 2)**  
Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2<sup>ème</sup> page)

**A sample of the product was tested and found to be in conformity with**  
Un échantillon de ce produit a été essayé et a été considéré conforme à la

**As shown in the Test Report Ref. No. which forms part of this Certificate**  
Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat

**This CB Test Certificate is issued by the National Certification Body**  
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

**Surge protective device**

**ISKRA ZAŠČITE d.o.o.**  
Stegna 23A,  
100 Ljubljana, Slovenia

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Additional Information on page 2

**ISKRA ZASCITE**

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**Series PROTEC**  
see pages 10-12 of test report CTI-CB 824-1

Additional Information on page 2

**IEC 61643-11(ed.1)**

**CTI-CB 824-1 to 824-5**

Ratings were deleted

Illegally modified

Illegally modified

**Type spectrum PROTEC series covered by test reports CTI-CB 824-1 to CTI-CB 824-5:**

Complete SPD modules:

| Type designation – complete SPD module | Earthing system   | Construction  | Poles |
|--|---|---|-------|
| PROTEC ASL 50/440                      | TT → L-N<br>TN → L-(PE)N, N-PE<br>(U <sub>0</sub> ≤ 230/400V) | PROTEC ASL 50/440   | 1     |
| PROTEC ASL 80/440 (1+1)                | TT<br>(U <sub>0</sub> ≤ 230/400V)                             | 1+1 circuit L-N: PROTEC ASL 50/440<br>N-PE: PROTUBE ASL 50        | 2     |
| PROTEC ASL 80/440 (2+0)                | TN-S (U <sub>0</sub> ≤ 230/400V)                              | L/N-PE: PROTEC ASL 50/440   | 2     |
| PROTEC ASL 120/440 (3+0)               | TN-C (U <sub>0</sub> ≤ 230/400V)                              | L1/L2/L3-PEN: PROTEC ASL 50/440                                   | 3     |
| PROTEC ASL 160/440 (4+0)               | TN-S (U <sub>0</sub> ≤ 230/400V)                              | L1/L2/L3/N-PE: PROTEC ASL 50/440                                  | 4     |
| PROTEC ASL 160/440 (3+1)               | TT<br>(U <sub>0</sub> ≤ 230/400V)                             | 3+1 circuit L1/L2/L3-N: PROTEC ASL 50/440<br>N-PE: PROTUBE ASL 50 | 4     |

| Type designation – complete SPD module | Earthing system   | Construction  | Poles |
|--|---|---|-------|
| PROTEC ASL 50/385                      | TT → L-N<br>TN → L-(PE)N, N-PE<br>(U <sub>0</sub> ≤ 230/400V) | PROTEC ASL 50/385   | 1     |
| PROTEC ASL 80/385 (1+1)                | TT<br>(U <sub>0</sub> ≤ 230/400V)                             | 1+1 circuit L-N: PROTEC ASL 50/385<br>N-PE: PROTUBE ASL 50        | 2     |
| PROTEC ASL 80/385 (2+0)                | TN-S (U <sub>0</sub> ≤ 230/400V)                              | L/N-PE: PROTEC ASL 50/385   | 2     |
| PROTEC ASL 120/385 (3+0)               | TN-C (U <sub>0</sub> ≤ 230/400V)                              | L1/L2/L3-PEN: PROTEC ASL 50/385                                   | 3     |
| PROTEC ASL 160/385 (4+0)               | TN-S (U <sub>0</sub> ≤ 230/400V)                              | L1/L2/L3/N-PE: PROTEC ASL 50/385                                  | 4     |
| PROTEC ASL 160/385 (3+1)               | TT<br>(U <sub>0</sub> ≤ 230/400V)                             | 3+1 circuit L1/L2/L3-N: PROTEC ASL 50/385<br>N-PE: PROTUBE ASL 50 | 4     |