

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST  
CERTIFICATES FOR ELECTRICAL EQUIPMENT  
(IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

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

Product  
Produit

Switch Mode Power Supply (DIN-Rail)

Name and address of the applicant  
Nom et adresse du demandeur

PULS GMBH  
ARABELLASTR 15  
81925 MUENCHEN GERMANY

Name and address of the manufacturer  
Nom et adresse du fabricant

PULS GMBH  
ARABELLASTR 15  
81925 MUENCHEN GERMANY

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

PULS INVESTICNI S R O  
PRAZSKA 5639 430 01 CHOMUTOV  
CZECH REPUBLIC

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

Additional Information on page 2

Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

See Page 2

Trademark (if any)  
Marque de fabrique (si elle existe)  
Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais constructeur

None

SMT

Model / Type Ref.  
Ref. De type

CPS20.KKZ-WX, CS20.KKZ-WX  
See Page 2

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

Additionally evaluated to EN 60950-1:2006/A11:2009/A1:2010/A12:2011; National Differences specified in the CB Test Report.

Additional Information on page 2

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

IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1

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

E137006-A44-CB-3 issued on 2013-11-18

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



- UL (US), 333 Pfingsten Rd IL 60062, Northbrook, USA
- UL (Demko), Borupvang 5A DK-2750 Ballerup, DENMARK
- UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN
- UL (CA), 7 Underwriters Road, Toronto, M1R 3B4 Ontario, CANADA

For full legal entity names see [www.ul.com/ncbnames](http://www.ul.com/ncbnames)

Date: 2013-11-18  
Original Issue Date: 2013-06-12

Signature:

Jan-Erik Storgaard

## Model Details:

CPS20.KKZ-WX, CS20.KKZ-WX

where KK represents the output voltage and may be 12 up to 15, 24 up to 28, 36 up to 42 and 48 up to 56 Vdc; For DC-supplied models KK may be 24 up to 28 and 48 up to 56 Vdc.

Z may be 1;

WX is optional, W can be blank or any number or 'C' or 'A' or 'S' or 'D';

"D" marks DC supplied models.

X can be blank or any number and defines product variants, which are covered in this report or additional product variants with minor, not safety relevant difference.

## Factories:

PULS ELECTRONICS (SUZHOU) CO LTD

NO 1 RUI EN LANE XINGPU RD, SIP SUZHOU JIANGSU 215021

CHINA

## Ratings:

Series CS20.KKZ-WX; CPS20.KKZ-WX

## Input:

100 - 240 Vac; 6.4 - 2.7 A; 50-60 Hz

Below 100Vac de-rating might be required, see CS20 (CPS20) manual.

## Output:

CPS20.241-WX

24 - 28 Vdc, 20 - 17.1 A; -25°C to 60°C

24 - 28 Vdc, 24 - 20.6 A; -25°C to 45°C

CPS20.241-80

24 - 28 Vdc, max. 20A; 480W (Ta &lt; 60°C)

24 - 28 Vdc, max. 24A; 576W (Ta &lt; 45°C)

CPS20.481-WX

48 - 56 Vdc, 10 - 8.6 A; -25°C to 60°C

48 - 56 Vdc, 12 - 10.3 A; -25°C to 45°C

CPS20.361-WX

36 - 42 Vdc, 13.3 - 11.4 A; -25°C to 60°C

36 - 42 Vdc, 16 - 13.7 A; -25°C to 45°C

CPS20.121-WX

## Input:

100 - 240 Vac (-15% +10%); 4.9 - 2.2 A; 50-60 Hz

## Output:

12 - 15 Vdc, 30-27 A; -25°C to 60°C

Series CPS20.KKZ-DX

## Input:

110 - 300 Vdc (+-20%); 6.2 - 2.3 A;

## Output:

CPS20.241-DX

24 - 28 Vdc, 20 - 17.1 A; -25°C to 60°C

24 - 28 Vdc, 24 - 20.6 A; -25°C to 45°C

CPS20.481-DX

48 - 56 Vdc, 10 - 8.6 A; -25°C to 60°C

48 - 56 Vdc, 12 - 10.3 A; -25°C to 45°C

## Additional Information:

The original report was modified to include the following changes/additions:

Addition of new Switch Mode Power Supply Models.

**Additional information (if necessary)****Information complémentaire (si nécessaire)**

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