

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

Redundancy Module, Built-In DC/DC

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^{eme} page

Additional Information on page 2

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

See Page 2 and 3

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

CTF Stage 3

Model / Type Ref.
Ref. De type

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^{eme} page

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-A2-CB-3 issued on 2015-12-10,
E137006-A2-CB-3 issued on 2015-12-08

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

Date: 2015-12-11
Original Issue Date: 2013-11-22

Signature:

Jan-Erik Storgaard

Model Details:

SLR01 and SLR02 may be followed by .5XX, MLY02 may be followed by .1XX or .5XX, YR2.DIODE-XX and YRM2.DIODE-XX or SS832, YR40.241-XX, YR80.241-XX YR40.242-XX, YR40.245-XX, YR40.482-XX, YR80.242-XX.
"XX" is optional and can be any character or number, or blank, not safety relevant.

Factories:

PULS ELECTRONICS (SUZHOU) CO LTD
NO 1 RUI EN LANE XINGPU RD, SIP SUZHOU JIANGSU 215021
CHINA

Ratings:

SLR01:

Input: DC 24-28V; 0-40A.

Output: Vout = Input - 0.5V; 0-40A.

SLR02:

Input 1: DC 24-28V; 0-30A.

Input 2: DC 24-28V; 0-30A.

Output: Vout = Input - 0.5V; 0-30A.

MLY02 and MLR02:

Input 1: DC 10-60V; 0...10A.

Input 2: DC 10-60V; 0...10A.

Output: Input - 0.9V; 0...10A.

MLY10.241:

Input 1: DC 12-48V (+-25%); 0-5A.

Input 2: DC 12-48V (+-25%); 0-5A.

Output: Input - 0.9V; 0-10A.

YR2.DIODE

Input 1: DC 12-48V(+25%); 0...10A.

Input 2: DC 12-48V(+25%); 0...10A.

Output: Input - 0,9V; 0...20A.

YRM2.DIODE and SS832:

Input 1: DC 24-48V(+25%); 0...10A.

Input 2: DC 24-48V(+25%); 0...10A.

Output: Input - 0,9V; 0...20A.

YR40.241:

Input 1: DC12-28V(+30%); 0-20A continuous; 20-32.5A for 5 seconds;

Input 2: DC12-28V(+30%); 0-20A continuous; 20-32.5A for 5 seconds;

Output: Input - 0.1V; 0-40A continuous; 40-65A for 5 seconds;

YR80.241:

Input 1: DC 12-28V(+30%); 0-40A continuous; 40-65A for 5 seconds;

Input 2: DC 12-28V(+30%); 0-40A continuous; 40-65A for 5 seconds;

Output: Input - 0.1V; 0-80A continuous; 80-130A for 5 seconds;

YR40.242

Input1: DC 12-28V(+30%); 0-20A

Input2: DC 12-28V(+30%); 0-20A

output1: Input - 0.1V; max. 40A cont, 40-65A for 5 seconds,26A in short-circuit mode.

YR40.245

Input1: DC 12-28V(+30%); 0-40A

output1: Input - 0.1V; max. 40A cont, 40-65A for 5 seconds,22A in short-circuit mode.

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

UL (US), 333 Pflingsten Rd IL 60062, Northbrook, USA

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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/nbcnames

Date: 2015-12-11

Original Issue Date: 2013-11-22

Signature:



Jan-Erik Storgaard



Ref. Certif. No.

DK-35761-A1-UL

Rating:

YR40.482

Input1: DC 24-56V(+/-15%); 0-20A

Input2: DC 24-56V(+/-15%); 0-20A

output1: Input - 0.1V; max. 40A cont, 40-65A for 5 seconds,45A in short-circuit mode.

YR80.242

Input1: DC 12-28V(+/-30%); 0-40A

Input2: DC 12-28V(+/-30%); 0-40A

output1: Input - 0.1V; max. 80A cont, 80-130A for 5 seconds 44A in short-circuit mode.

("Input" mentioned at the output rating is the voltage from Input 1 or Input 2).

Additional Information:

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

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

- Modified model YR2.DIODE and YRM2.DIODE;
- Additional, optional TVS;
- Revised Input rating;
- Changed Ambient temperature.
- Corrected CTF stage 3 Approver due to typo.

Additional information (if necessary)

Information complémentaire (si nécessaire)



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For full legal entity names see www.ul.com/mcbnames

Date: 2015-12-11

Original Issue Date: 2013-11-22

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Jan-Erik Storgaard