



Ref. Certif. No.

DK-62511-UL

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

CB TEST CERTIFICATE

Product	Redundancy Module, Built-In DC/DC
Name and address of the applicant	PULS GMBH ELEKTRASTRASSE 6 81925 MUENCHEN GERMANY
Name and address of the manufacturer	PULS GMBH ELEKTRASTRASSE 6 81925 MUENCHEN GERMANY
Name and address of the factory	PULS ELECTRONICS (SUZHOU) CO LTD NO 1 RUI EN LANE XINGPU RD, SIP SUZHOUJIANGSU 215021 CHINA
Note: When more than one factory, please report on page 2	
Ratings and principal characteristics	<input checked="" type="checkbox"/> Additional Information on page 2 See Page 2 and 3
Trademark (if any)	None
Type of Customer's Testing Facility (CTF) Stage used	CTF Stage 3
Model / Type Ref.	PIRD20.241-XX, YR20.242-XX, YR20.246-XX, YR40.242-XX, YR40.245-XX, YR40.482-XX, See Page 2
Additional information (if necessary may also be reported on page 2)	Additionally evaluated to EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011 /A2:2013; National Differences specified in the CB Test Report. <input type="checkbox"/> Additional Information on page 2
A sample of the product was tested and found to be in conformity with	IEC 60950-1(ed.2), IEC 60950-1(ed.2);am1, IEC 60950-1(ed.2);am2
As shown in the Test Report Ref. No. which forms part of this Certificate	E137006-A2-CB-4 issued on 2017-04-05

This CB Test Certificate is issued by the National Certification Body



- 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: 2017-04-07

Signature:

Jan-Erik Storgaard

Model Details:

MLY10.241, SS832

SLR02 may be followed by .5XX, MLY02 may be followed by .1XX or .5XX

MLR02 may be followed by .1XX or .5XX,

YR2.DIODE-XX, YRM2.DIODE-XX, YR40.241-XX, YR80.241-XX, YR40.242-XX, YR40.245-XX, YR40.482-XX, YR80.242-XX, YR20.242-XX, YR20.246-XX, PIRD20.241-XX

"XX" is optional and can be any character or number, or blank, not safety relevant.

Factories:

PULS INVESTICNI S R O

PRAZSKA 5639 430 01 CHOMUTOV

CZECH REPUBLIC

Ratings:

SLR02:

Input 1+2: DC 24-28V; 30A continuous, 35A up to 5s.

Output: Vout = Input - 0.5V; 30A continuous, 35A up to 5s (below +60°C); 22.5A continuous, 35A up to 5s (at +70°C); .

MLY02 and MLR02:

Input 1+2: DC 12-48V; 5A continuous, 7.5A up to 5s.

Output: Input - 0.9V; 10A continuous, 15A up to 5s (below +60°C);

7.5A continuous, 15A up to 5s (at +70°C).

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:

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 continuous; 20-32 A for 5 seconds.

Input2: DC 12-28V(+/-30%); 0-20A continuous; 20-32 A for 5 seconds.

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

YR40.245:

Input1: DC 12-28V(+/-30%); 0-40A continuous; 40-65 A for 5 seconds.

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

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 inshort-circuit mode.

Additional information (if necessary)



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UL (JP), Marunouchi Trust Tower Main Building 6F, 1-8-3 Marunouchi, Chiyoda-ku, Tokyo 100-0005, JAPAN

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Ratings:

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.

YR20.242:

Input1+2: DC 12-28V(+/-30%); 20A continuous; 32.5A up to 5s.

Output: input to output voltage loss typ. 0.06V; 24A continuous (below +45°C); 20A continuous (at +70°C); 32.5A up to 5s.

YR20.246:

Input1+2: DC 24-28V(+/-25%); 12A continuous; 17A up to 5s.

Output: input to output voltage loss typ. 0.1-0.5V; 24A continuous (below +45°C); 20A continuous (at +70°C); 32.5A up to 5s.

PIRD20.241:

Input1+2: DC 12-28V(+/-25%); 10A continuous; 16A up to 5s.

Output: input to output voltage loss typ. 0.56V; 20A continuous (below +55°C); 12.5A continuous (at +70°C); 32A up to 5s.

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

Additional information (if necessary)



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