

Munich, 18 October 2016

## Certificate of Conformity (CoC)

- **European Directive 2011/65/EU (RoHS II)**
- **European REACH Regulation (EC)1907/2006**

<b>PULS Sales-number / Model Designation</b>
<b>QS20.481</b>

Table 1

### European Directive 2011/65/EU (RoHS II)

PULS Standard Units listed in table 1 meet the restriction of the use of certain hazardous substances in electrical and electronic equipment of the Directive 2011/65/EU (RoHS II) of the European Parliament and of the Council of 8 June 2011.

The RoHS II conformity of these units is proved since June 2011 at the latest. For PULS Standard Units with launch after June 2011, the RoHS II compliance is already given from market launch.

PULS Standard Units listed in table 1 meet the restricted substances referred to Article 4 (1) and maximum concentration values by weight homogeneous materials according Annex II.

Annex II to Directive 2011/65/EU was amend by DIRECTIVE (EU) 2015/863 of 31 March 2015 of the European Parliament and of the Council. PULS confirms compliance with these additional substance restrictions under application of time limits.

Applications exempted from the restriction in Article 4(1) according to Annex III can be:

07a, 07c-I, 07c-II
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## European REACH Regulation (EC) 1907/2006

As a manufacturer of electronic power supplies, PULS GmbH is a "downstream user" with regards to the Regulation for the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Therefore, PULS is only providing information on only non-chemical articles (products). In principle, PULS GmbH is not subject to any obligation to register or to compile material safety data sheets.

PULS hereby confirms that its electronic power supplies comply with the legal obligations regarding Article 33 of the European REACH Regulation 1907/2006 (Registration, Evaluation, Authorisation and Restriction of Chemicals), which came into force on 01.06.2007.

PULS and its suppliers will continuously review the actual ECHA "Candidate List" for additions and updates and act accordingly in compliance with REACH regulations. The actual candidate list is provided on the European Chemicals Agency website at:

<https://echa.europa.eu/candidate-list-table>

The information requirement of REACH Article 33 is done by considering of the ECJ-Judgment (Case C-106/14) for calculating the SVHC content in articles.

Within our supply chain we got following REACH Article 33 information that PULS Standard Units (listed in table 1) contain (a) component(s) with following SVHC (Article 59) listed substances > 0.1 % by weight.

Description affected articles	SVHC listed substances > 0.1 % by weight	EC #	CAS #
SMD-DIODE SMD-Z-DIODE	Lead monoxide (lead oxide)	215-267-0	1317-36-8
GLUE*	Linear 4-Nonylphenol	246-672-0	25154-52-3
Out of our supply chain we have currently no information that material safety data sheets must be made available for units listed in table 1.			

Table 2

PULS will replace SVHC listed substances respectively that article through an alternative solution as far it is technically and economically feasible.

\*The replacement of the glue is planned till January 2017.

Name and address of the responsible manufacturer

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i. V. Mr. Friedrich Haunschild, Vice President Quality & Management Systems  
 name, function, signature

