

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **54 816 - 08 HH**

Company **PULS GmbH**
Arabellastraße 15
81925 München, GERMANY

Product Description **DIN-Rail Power Supplies**

Type **Dimension C Series, CD-Series, Q-Series, U-Series.**
Mini Line (ML)

Environmental Category **C, (A), EMC2**

Technical Data /
Range of Application **Power supply with single phase AC input 100..240V, adjustable DC output:**
CS3.241 Out: 24..28V DC, 80W;
CS5.241 Out: 24..28V DC, 120W;
CS10.241 Out: 24..28V DC, 240W;
CS10.242 Out: 24..28V DC, 240W, with PFC filter;
CS10.481 Out: 28..52V DC, 240W;
ML15.051 Out: 5..5.5V DC, 15W;
ML15.121 Out: 12..15V DC, 15W;
ML15.241 Out: 24..28V DC, 15W;
QS20.241 Out: 24..28V DC, 480W, active PFC;
QS20.361 Out: 36..42V DC, 480W, active PFC;
QS20.481 Out: 48..55V DC, 480W, active PFC.
Power Supply with single phase AC input 100..120V, adjustable DC output:
CS5.243 Out: 24..28V DC, 120W;
CS10.243 Out: 24..28V DC, 240W.

Test Standard **Guidelines for the Performance of Type Approvals Part 2, Edition 2012.**

Documents **Test report : Puls AN-360.030.00-XV, issue 1, dated 2007-05-22; Puls AN-357.030.00-XV, dated 2008-02-11; Resonance Search UBC10.214, dated 2007-12-18.**
Data Sheets and Circuit Diagrams.
Add. Temperature Test Report PULS AN-360.030.00-XV, Rev. 2.

Remarks **UPS units with battery are to be mounted in switchboards or cabinets with appropriate ventilation.**

Valid until **2018-02-10**

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File No. **I.M.03**

Hamburg, 2013-06-12

Type Approval Symbol



Germanischer Lloyd

Marco Rinkel

Jens Dietrich

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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Power Supply with single phase AC input 200-240V, adjustable DC output:

CS5.244 Out: 24..28VDC, 120W;

CS10.244 Out: 24..28VDC, 240W;

QS20.244 Out: 24..28VDC, 480W.

Power supplies with 2 phase AC input 380-480V, adjustable DC output:

ML100.200 Out: 24..28V DC, 100W;

ML90.200 Out: 24..28V DC, 90W.

DC/DC Converter with adjustable output:

CD5.121 In: 18..32.4VDC, Out: 12..15VDC, 8..6.4A;

CD5.241 In: 18..32.4VDC, Out: 23..28VDC, 5..4.3A;

CD5.242 In: 36..60 VDC, Out: 23..28VDC, 5..4.3A.

DC-UPS Control Units (Only suitable for applications where rectified DC voltage with +/-10% is available):

UB10.241 Input range: 22.5..30VDC; Output: 0.23V lower than input voltage, Buffer mode 22.25V DC.

Accessories:

UZK 12.071 Battery Module 12V, 7Ah

UZO12.07 Mounting kit

UZK12.261 Battery Module 12V, 26Ah

UZO12.26 Mounting kit

ZM1.WALL Panel/Wall Mounting kit

DC-UPS with integrated battery (Only suitable for applications where rectified DC voltage with +/-10% is available):

UBC10.241 (Environmental Category A).

UBC10.241-N1 (battery not assembled). Accesories: UZB12.051 Battery 12, 5Ah.

Variants with suffix: -S1: with Quick-connect spring clamp terminals

-C1: with conformal coated PCBs

All batteries: Environmental Category A.

Redundancy Module

YRM2.DIODE Dual input, single output 20A output current, input voltage drop 0.85V @ 20A.

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