

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

CB TEST CERTIFICATE

Product

DIN Rail Power Supply

Name and address of the applicant

PULS GmbH,
Elektrastraße 6, D-81925 Munich, Germany

Name and address of the manufacturer

PULS GmbH,
Elektrastraße 6, D-81925 Munich, Germany

Name and address of the factory

See page 2.

Note: When more than one factory, please report on page 2 Additional Information on page 2

Ratings and principal characteristics

See pages 3-7.

Trademark / Brand (if any)



Customer's Testing Facility (CTF) Stage used

/

Model / Type Ref.

CP20.aax-ww, CP20.aax-Sz-ww, CP20.aax-Vz-ww and
CP20.aax-Ry-ww
(see also page 2)

Additional information (if necessary may also be reported on page 2)

National Differences specified in the CB Test Report.
Additionally evaluated to IEC 62368-1:2018; Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 62368-1:2014

As shown in the Test Report Ref. No. which forms part of this Certificate

T223-0124/20 (2020-04-22)

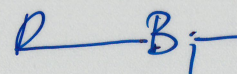
This CB Test Certificate is issued by the National Certification Body

SIQ Ljubljana, Mašera-Spasičeva ulica 10, SI-1000 Ljubljana, Slovenia
T +386 1 4778 100, F +386 1 4778 444, info@siq.si, www.siq.si

SIQ Ljubljana is accredited by Slovenian Accreditation with accreditation number CP-001 in the field of certification of products, processes and services.

Date: 2020-04-22

Signature: Bojan Pečavar



Name and address of the factory:

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

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

Model/Type reference:

CP20.aax-ww, CP20.aax-Sz-ww, CP20.aax-Vz-ww and CP20.aax-Ry-ww

where:

- | | | |
|------------|----|---|
| aa: | 24 | Nominal output voltage 24V or 24-28V |
| | 48 | Nominal output voltage 48V or 48-56V |
| x: | 1 | Input voltage range: AC 100-240V; DC 110-150V |
| | 2 | Input voltage range: AC 100-240V; DC 110-300V |
| | 5 | Marine version (Input voltage range: AC 100-240V; DC: 110-150V) |
| y: | 1 | Spring-clamp terminals (tool free) |
| | 2 | Plug-connector |
| | 3 | Screw terminals |
| z: | 1 | Spring-clamp terminals (tool free) |
| | 2 | Spring-clamp terminals (push-in type) |

ww: blank or 2 characters or 2 numbers for non-safety critical alterations (e.g. C1 for conformal coated pc-boards)

S constant character - indicates terminal options

V constant character - indicates the option for Remote ON/OFF input

R constant character – indicates the units with built-in redundancy

Additional information (if necessary)

Date: 2020-04-22

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Ratings and principal characteristics:**CP20.241****Power supply 1-Phase, 24V, 20A, 480W**

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24-28V; 24-20,6A (below +45°C)
20-17,1A (at +60°C)
15-13A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C.

CP20.241-R1**Redundancy Power Supply 1-Phase, 24V, 20A, 480W**

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24V; 24A (below +45°C)
20A (at +60°C)
15A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -40°C to +70°C.

CP20.241-R2**Redundancy Power Supply 1-Phase, 24V, 20A, 480W**

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24V; 24A (below +45°C)
20A (at +60°C)
15A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -40°C to +70°C.

CP20.241-R3**Redundancy Power Supply 1-Phase, 24V, 20A, 480W**

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24V; 24A (below +45°C)
20A (at +60°C)
15A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -40°C to +70°C

Additional information (if necessary)

Date: 2020-04-22

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CP20.241-S1**Power Supply 1-Phase, 24V, 20A, 480W**

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24-28V; 24-20,6A (below +45°C)
20-17,1A (at +60°C)
15-13A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C

CP20.241-S2**Power Supply 1-Phase, 24V, 20A, 480W**

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24-28V; 24-20,6A (below +45°C)
20-17,1A (at +60°C)
15-13A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C

CP20.241-V1**Power Supply 1-Phase, 24V, 20A, 480W**

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24-28V; 24-20,6A (below +45°C)
20-17,1A (at +60°C)
15-13A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C

CP20.242**Power Supply 1-Phase, 24V, 20A, 480W**

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-300V ($\pm 20\%$); 5,7-2,1A

Output: DC 24-28V; 24-20,6A (below +45°C)
20-17,1A (at +60°C)
15-13A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C

Additional information (if necessary)

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CP20.242-R2
Redundancy Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-300V ($\pm 20\%$); 5,7-2,1A

Output: DC 24V; 24A (below +45°C)
20A (at +60°C)
15A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -40°C to +70°C

CP20.242-R3
Redundancy Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-300V ($\pm 20\%$); 5,7-2,1A

Output: DC 24V; 24A (below +45°C)
20A (at +60°C)
15A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -40°C to +70°C

CP20.481
Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 48-56V; 12-10,3A (below +45°C)
10-8,6A (at +60°C)
7,5-6,5A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C

CP20.481-S1
Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 48-56V; 12-10,3A (below +45°C)
10-8,6A (at +60°C)
7,5-6,5A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C

Additional information (if necessary)

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CP20.481-S2
Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 48-56V; 12-10,3A (below +45°C)
10-8,6A (at +60°C)
7,5-6,5A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C

CP20.482
Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-300V ($\pm 20\%$); 5,7-2,1A

Output: DC 48-56V; 12-10,3A (below +45°C)
10-8,6A (at +60°C)
7,5-6,5A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -25°C to +70°C

CP20.241-R2-72
Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24V; 24A (below +45°C)
20A (at +60°C)
15A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -40°C to +70°C

CP20.241-R2-73
Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24V; 24A (below +45°C)
20A (at +60°C)
15A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -40°C to +70°C

Additional information (if necessary)

Date: 2020-04-22

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IEC

IECEE
CB
SCHEME

Ref. Certif. No.

SI-7986

CP20.245-R2

Power Supply 1-Phase, 24V, 20A, 480W

Input: AC 100-240V (-15%/+10%); 6,3-2,7A; 50-60Hz
DC 110-150V ($\pm 20\%$); 5,7-4,2A

Output: DC 24V; 24A (below +45°C)
20A (at +60°C)
15A (at +70°C)

Derate linearly between +45°C and +70°C

Operational temperature range: -40°C to +70°C

Additional information (if necessary)

Date: 2020-04-22

Signature: Bojan Pečavar

