(1) # Certificate of Conformity

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) Certificate Number

EPS 11 ATEX 1 327 X **Revision 3**

(4) Equipment: PISA11.401; PISA11.402; PISA11.403; PISA11.404; PISA11.406; PISA11.410; PISA11.203206; PISA11.206212; PISA11.CLASS2 (optional with suffix "-C1" or "-C2")

(5) Manufacturer: PULS GmbH

(6) Address: Elektrastr. 6
81925 München
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this Certificate of Conformity and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 11TH0140.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN 60079-7:2015 + A1:2018

EN 60079-15:2010

EN IEC 60079-15:2019

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

II 3G Ex ec nC IIC T4 Gc

Certification department of explosion protection

Tuerkheim, 2022-09-09

Ulrich Feike

(13) # Annex

(14) **Certificate of Conformity EPS 11 ATEX 1 327 X** **Revision 3**

(15) Description of equipment:

The PISA multi-channel electronic circuit breakers with DIN rail mounting are designed for current distribution and protection of DC 24V load circuits. The PISA electronic circuit breakers distribute the current of large power sources to multiple lower current output channels and therefore allow for smaller wires to be used. In the event of a fault, the electronic circuit breaker reliably switches off the channels and protects the loads. Optional suffix "-C1" stands for coating of the printed circuit board; no safety relevance. Optional suffix "-C2" stands for partial coating of the printed circuit board; no safety relevance.

Electrical data:

PISA11.401:
Input: 24 Vdc; 4.0 A
Output Channel 1-4: 24 Vdc; 1.0 A
max. 96 W total

PISA11.402:
Input: 24 Vdc; 8.0 A
Output Channel 1-4: 24 Vdc; 2.0 A
max. 192 W total

PISA11.403:
Input: 24 Vdc; 12.0 A
Output Channel 1-4: 24 Vdc; 3.0 A
max. 288 W total

PISA11.404:
Input: 24 Vdc; 16.0 A
Output Channel 1-4: 24 Vdc; 4.0 A
max. 384 W total

PISA11.406:
Input: 24 Vdc; 20.0 A
Output Channel 1-4: 24 Vdc; 6.0 A
max. 480 W total

PISA11.410:
Input: 24 Vdc; 20.0 A
Output Channel 1-4: 24 Vdc; 10.0 A
max. 480 W total

PISA11.203206:
Input: 24 Vdc; 18.0 A
Output Channel 1-2: 24 Vdc; 3.0 A
Output Channel 3-4: 24 Vdc; 6.0 A
max. 432 W total

PISA11.206212:
Input: 24 Vdc; 20.0 A
Output Channel 1-4: 24 Vdc; 6.0 A
Output Channel 3-4: 24 Vdc; 12.0 A
max. 480 W total

PISA11.CLASS2:
Input: 24 Vdc; 15.0 A
Output Channel 1-4: 24 Vdc; 3.7 A
max. 355.2 W total

(16) Reference number: 11TH0140

Certificate of Conformity EPS 11 ATEX 1 327 X **Revision 3**

(17) Special conditions for safe use:

- The equipment shall be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with IEC 60079-7.

- The equipment shall only be used in an area of not more than pollution degree 2, as defined in IEC 60664-1.

- The signal connector on the front side (Sync / OK / ON / OFF) shall not be used in areas with explosive gas atmospheres. The connector does not fulfil the requirements for pluggable connections of IEC 60079-7 – Ed. 5.1, clause 4.2.3.5 (for use in non-hazardous areas only).

- The equipment was tested for the following ambient temperature conditions:

PISA11.401, PISA11.402, PISA11.403, PISA11.CLASS2:
-25 °C to +70 °C with 100 % output power

PISA11.404, PISA11.406, PISA11.410, PISA11.203206, PISA11.206212:
-25 °C to +60 °C with 100 % output power
+60 ° to +70 °C with de-rating, linearly from 20 A to 15 A (sum of all output currents)

(18) Essential health and safety requirements:

Met by compliance with standards.

ZERTIFIZIERUNGSSTELLE BUREAU VERITAS 1828 Bureau Veritas CPS Germany GmbH

Certification department of explosion protection

Tuerkheim, 2022-09-09

Ulrich Feike