

## UK Type Examination Certificate CML 21UKEX2004X Issue 0

### United Kingdom Conformity Assessment

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended) – Schedule 3A, Part 1
- 2 Equipment **Pageant BA3901 4 Way Power Terminal Accessory**
- 3 Manufacturer **BEKA Associates Ltd**
- 4 Address **Old Charlton Road, Hitchin, Herts,  
SG5 2DA, UK**

5 The equipment is specified in the description of this certificate and the documents to which it refers.

6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, Approved Body Number 2503, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential reports listed in Section 12.

7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.

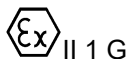
8 This UK Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018

EN 60079-11:2012

10 The equipment shall be marked with the following:



Ex ia IIC T4 Ga

-40°C ≤ Ta ≤ +65°C



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## 11 Description

The Pageant BA3901 4 Way Power Terminal Accessory, has a four way input to a single output through a multicore cable or separate twisted pairs. It is to be used in conjunction with other apparatus to protect the supply lines from reverse voltages.

The equipment has the following safety description:

Input terminals TB200 to TB203

U <sub>i</sub>	=	12.4 V
I <sub>i</sub>	=	0.67 A
P <sub>i</sub>	=	1.36 W
C <sub>i</sub>	=	0
L <sub>i</sub>	=	0

Output terminal PL200

U <sub>o</sub>	=	12.4 V
I <sub>o</sub>	=	2.680 A
P <sub>o</sub>	=	5.44 W
C <sub>o</sub>	=	
L <sub>o</sub>	=	

SEE NOTE	C <sub>o</sub> =	L <sub>o</sub> =
IIA	30μF	39.6μH
IIB	7.9μF	19.8μH
IIC	1.24μF	4.95μH
III	7.9μF	19.8μH

NOTE - The above load parameters apply when one of the two conditions below is met:

- the total L<sub>i</sub> of the external circuit (excluding the cable) is < 1% of the L<sub>o</sub> value or
- the total C<sub>i</sub> of the external circuit (excluding the cable) is < 1% of the C<sub>o</sub> value.

If neither of the above conditions are met, the load parameters are both reduced by 50%. Additionally, the reduced capacitance of the external circuit (including cable) shall not be greater than 1μF for Groups IIA, IIB, and III, and 600nF for Group IIC.

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	30 Jun 2021	R13615A/00	Issue of the prime certificate.

Note: Drawings that describe the equipment are listed in the Annex.



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### 13 Conditions of Manufacture

None

### 14 Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.

- i. Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
- ii. This equipment shall only be used as part of a BEKA Pageant System.

## Certificate Annex

**Certificate Number** CML 21UKEX2004X  
**Equipment** Pageant BA3901 4 Way Power Terminal Accessory  
**Manufacturer** BEKA associates Ltd



The following documents describe the equipment defined in this certificate:

### Issue 0

Drawing No	Sheets	Rev	Approved date	Title
CI3901-01	1 to 9	1	29 Jun 2021	ATEX & IECEx Certification information for BEKA BA3901 – 4 Way Power Terminal Accessory