



(1) **EU-Type Examination Certificate**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**

(3) Certificate number: **SEV 17 ATEX 0165 X**

(4) Product: EX motor capacitor Type 27-\*\*\*-\*\*\*-\*\*

(5) Manufacturer: Süko Kondensatorenbau GmbH & Co.

(6) Address: Robert-Bosch-Strasse 2, 72411 Bodelshausen, GERMANY

(7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) Eurofins Electrosuisse Product Testing AG, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, certifies that this product has been found to comply with the essential health and safety requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no 17-Ex-0097.01

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

**EN 60079-0:12 + A11:13**

**EN 60079-31:14**

**EN 60079-5:15**

Except in respect of those requirements listed at item 18 of the schedule.

(10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate.

(11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



**II 2 G Ex q IIC T6 Gb**

**II 2 D Ex tb IIIC T65 °C Db**

**Eurofins Electrosuisse Product Testing AG**  
**ATEX Notified Body 1258**

Martin Plüss  
Product Certification



(13)

## Appendix

(14)

**EU-Type Examination Certificate no. SEV 17 ATEX 0165 X**
(15) **Description of product**

The Ex-Motor Capacitor Type 27-\*\*\*-\*\*\*-\*\* is a capacitors incorporated in an aluminum beaker in the type of protection "Encapsulation".

Ratings:

$U_N = 280$  VAC in combination with  $C_N 1 \dots 55 \mu\text{F}$

$U_N = 470$  VAC in combination with  $C_N 1 \dots 30 \mu\text{F}$

Classification of installation and use:

stationary

Ingress protection:

IP64

Rated ambient temperature range (°C):

-20 °C ... +50 °C

Rated service temperature range (°C) for Ex Components:

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List of types:

| No. begin              | to | No. end       | Description  |
|------------------------|----|---------------|--|
| 27-010-280**           | to | 27-550-280-** | 1 uF to 55 uF, 280 VAC   |
| 27-010-420-**          | to | 27-300-420-** | 1 uF to 30 uF, 420 VAC   |
| 27-010-470-**          | to | 27-300-470-** | 1 uF to 30 uF, 470 VAC   |
| 27<br>010<br>470<br>** |    |               | Basic type<br>Number of capacitors size e.g. 010<br>Rating voltage in VAC e.g. 280, 420 or 470<br>Expression for cable length 200 to 2000 mm |

(16) **Report number**

17-Ex-0097.01

(17) **Specific conditions of use**

- Ex- capacitors may only be used for fixed installations.
- An additional strain relief for the cable must be provide to prevent pulling and twisting forces to the inner parts.
- The Ex- capacitors must be protected against UV light.

(18) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

| Clause | Subject |
|--------|---------|
| None   |         |

(19) **Drawings and Documents**

See test report "Manufacturer's Documents"