

# CERTIFICATE

Issued to:  
Applicant:  
**Santon International B.V.**  
**Hekendorpstraat 69**  
**3079 DX Rotterdam, The Netherlands**

Licensee:  
**Santon International B.V.**  
**Hekendorpstraat 69**  
**3079 DX Rotterdam, The Netherlands**

Product : Rotary switch-disconnector  
Trade name(s) : SANTON  
Type(s)/model(s) : XC+, XC100.50 and XC150.20

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of:

- a type test according to the standard EN 60947-3:2009, EN 60947-3:2009/A1:2012, EN 60947-3:2009/A1:2012/C1:2013 and EN 60947-3:2009/A2:2015
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 901095

DEKRA hereby grants the right to use the KEMA-KEUR certification mark.

The KEMA-KEUR certification mark may be applied to the product as specified in this certificate for the duration of the KEMA-KEUR certification agreement and under the conditions of the KEMA-KEUR certification agreement.

This certificate is issued on 18 October 2018 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-106020

DEKRA Certification B.V.



drs. G.J. Zoetbrood  
Managing Director



Susan Lehner  
Certification Manager

© Integral publication of this certificate is allowed

ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

|   |  |
|---|--|
| Product                                     | : Rotary switch-disconnector   |
| Trade name(s)                               | : SANTON   |
| Type(s)/model(s)                            | : XC+, XC100.50 and XC150.20   |
| Rated insulation voltage (Ui)               | : 1500 V   |
| Conventional free air thermal current (Ith) | : 60 A   |
| Utilization category                        | : DC-PV1   |
| Rating (Ue-Ie)                              | : see data per type  |
| Rated impulse withstand voltage (Uimp)      | : 8 kV   |
| Connection capacity                         | : 1 mm <sup>2</sup> - 4 mm <sup>2</sup> flexible<br>6 mm <sup>2</sup> - 16 mm <sup>2</sup> with special terminal lug |
| Method of operation                         | : independent operation, rotary  |
| Applied actuator knobs                      | : optionally provided with actuator knob   |
| Number of position of contacts              | : 2 positions (0°, 90° or 0°, 270°)  |
| Number of poles type of contact             | : maximum 8 poles, 1 single pole contact per pole  |
| Contact composition                         | : min 1 contact in +pole and 1 contact in -pole  |
| Degree of protection                        | : IP20<br>IP66 when mounted in an enclosure with gland of the shaft for panel mounting                               |
| For use in ambient temperatures             | : -40 °C to 65 °C (Ue = 800 V)<br>-40 °C to 70 °C (Ue = 1000 V, 1500 V)  |

**Product data – type XC+**

|                |  |
|----------------|--|
| Rating (Ue-Ie) | : Ue = 800 Vdc / Ie = 60 A<br>Ue = 1000 Vdc / Ie = 50 A<br>Ue = 1500 Vdc / Ie = 20 A |
|----------------|--|

**Product data – type XC100.50**

|                |                             |
|----------------|-----------------------------|
| Rating (Ue-Ie) | : Ue = 1000 Vdc / Ie = 50 A |
|----------------|-----------------------------|

**Product data – type XC150.20**

|                |                             |
|----------------|-----------------------------|
| Rating (Ue-Ie) | : Ue = 1500 Vdc / Ie = 20 A |
|----------------|-----------------------------|

**TESTS****Test requirements**

EN 60947-3:2009  
EN 60947-3:2009/A1:2012  
EN 60947-3:2009/A1:2012/C1:2013  
EN 60947-3:2009/A2:2015

**Test result**

The test results are laid down in DEKRA test file 222099200, 223175000 and 223041500.

**Additional information**

This certificate replaces certificate No. 71-104667 which we herewith declare invalid.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

Santon Holland B.V.  
Hekendorpstraat 69  
3079 DX Rotterdam, The Netherlands