

# CERTIFICATE

KEMA No.: 2124402.07

Issued to:  
Applicant:

**Santon Holland bv**  
**Hekendorpstraat 69**  
**3079 DX, ROTTERDAM, The Netherlands**



Manufacturer/Licensee:

**Santon Holland bv**  
**Hekendorpstraat 69**  
**3079 DX, ROTTERDAM, The Netherlands**

Product(s) : switch-disconnector  
Trade name(s) : SANTON  
Type(s)/model(s) : X85.16

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

KEMA 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;
- an inspection of the production location according to CENELEC Operational Document CIG 021
- a certification agreement with the number 901095

KEMA 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: 8 October 2009 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.



drs. G.J. Zoetbrood  
Managing Director



F.S. Strikwerda  
Certification Manager

ACCREDITED BY  
THE DUTCH COUNCIL  
FOR ACCREDITATION



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**SPECIFICATION OF THE CERTIFIED PRODUCT**

**Product data**

Product	: switch-disconnector
trade name(s)	: SANTON
type(s)	: X85.16
rated insulation voltage (Ui)	: 1000 V ac
conventional free air thermal current (Ith)	: 16 A
conventional enclosed thermal current (Ithe)	: 16 A
ratings/utilization category (Ue-Ie)	: <u>DC-21A</u> 850 V 16 A
rated short-time withstand current (Icw)	: 480 A - 1 s
rated short-circuit making capacity (Icm)	: 1400 A
rated conditional short-circuit current (Icc)	: 5000 A when protected with fuse-links limiting the cut-off current to a maximum of 1099 A and the Joule integral 2538,21 A <sup>2</sup> s Fuse-links during test: manufacturer Siba, type NH00, 35 A gB, type 308, 1000 V, 20 kA
rated impulse withstand voltage (Uimp)	: 8 kV
operational performance without current	: category A
with current	: 8500 operating cycles
connection capacity	: 1500 operating cycles
method of operation	: 1 mm <sup>2</sup> - 4 mm <sup>2</sup> flexible
number of position of contacts	: independent operation, rotary,
number of poles	: 4 positions (0°, 90°, 180°, 360°)
rating / utilization category of auxiliary circuits	: 12 with 1 single pole switch contact, maximum 12 layers
number of poles	: <u>AC-15</u> 250 V 16 A
degree of protection	: combination of maximum 4 single pole contacts (NO or NC) IP20 or IP65 when mounted in an enclosure of ≥ IP65 with gland of the shaft for panel mounting

**Additional information**

Remarks:

Composition of the contacts during the tests:

2 contacts in serie in the + pole and 1 contact in the -pole.

The service condition of the switch-disconnector are -5 °C to +40 °C

## TESTS

### Test requirements

EN 60947-3:2009

### Test result

The test results are laid down in KEMA test file 2124402.07.

### Conclusion

The examination proved that all test requirements were met.

Tested by : M.T.H. van Gemen

Checked by : H.L. Schendstok

Two handwritten signatures in blue ink. The top signature is a cursive name, likely M.T.H. van Gemen. Below it is a larger, more stylized signature, likely H.L. Schendstok, which is enclosed within a large, hand-drawn oval.

### Factory locations

Santon Holland bv,  
Hekendorpstraat 69, 3079 DX, ROTTERDAM, The Netherlands