



# CERTIFICATE

KEMA No.: 2124402.06



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) : X100.16

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: October 6, 2009 and expires upon withdrawal of one of the above mentioned standards.

KEMA Quality B.V.

drs. G.J. Zoetbrood  
Managing Director

H.R.M. Barends  
Certification Manager

ACCREDITED BY  
THE DUTCH COUNCIL  
FOR ACCREDITATION



© Integral publication of this certificate is allowed

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

Product	:	switch-disconnector
trade name(s)	:	SANTON
type(s)	:	X100.16
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> 1000 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 1,327 kA and the Joule intergral 2422,3 A <sup>2</sup> s Fuse-links during test: manufacturer Siba, type NH00, 35 A gB, type 3081000 V, 20 kA
rated impulse withstand voltage (Uimp)	:	8 kV
operational performance	:	category A
- without current	:	8500 operating cycles
- with current	:	1500 operating cycles
connection capacity	:	1 mm <sup>2</sup> - 4 mm <sup>2</sup> flexible
method of operation	:	independent operation, rotary,
number of position of contacts	:	4 positions (0°, 90°, 180°, 360°)
number of poles	:	12 with 1 single pole switch contact, maximum 12 layers
rating / utilization category of auxiliary circuits	:	<u>AC-15</u> 250 V 16 A
number of poles	:	combination of maximum 4 single pole contacts (NO or NC)
degree of protection	:	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 2124402.06.

**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 purple ink. The first signature is above the name M.T.H. van Gemen, and the second is above the name H.L. Schendstok. The second signature is more stylized and includes a large, sweeping underline.

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