CERTIFICATE

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

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

Product(s) : rotary switch-disconnector
Trade name(s) : SANTON
Type(s)/model(s) : X150.40

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;
- 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: 4 February 2013 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 2156694.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

H.L. Schendstok
Certification Manager

ACCREDITED BY
THE DUTCH COUNCIL
FOR ACCREDITATION

PRODUCTS
RvA C 001

KEMA KEUR

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

product	:	rotary switch-disconnector
trade name(s)	:	SANTON
type(s)	:	X150.40
rated insulation voltage (Ui)	:	1500 Vdc
conventional free air thermal current (Ith)	:	40 A
ratings/utilization category (Ue-Ie)	:	1500 V DC-21B 40 A
rated short-time withstand current (Icw)	:	700 A - 1 s
rated short-circuit making capacity (Icm)	:	1400 A
rated impulse withstand voltage (Uimp)	:	8 kV
operational performance	:	category B
without current	:	1700 operating cycles
with current	:	300 operating cycles
connection capacity	:	1 mm² - 10 mm² flexible
method of operation	:	independent operation, rotary,
number of position of contacts	:	4 positions (0°, 90°, 180°, 360°)
number of poles	:	maximum 12 poles
type of contact		1 single pole contact per pole
contact composition	:	3 contacts in each pole and 1 empty deck between each pole.
degree of potection	:	IP20 or IP66 when mounted in an enclosure of ≥ IP 66 with gland of the shaft for panel mounting
For use in ambient temperatures	:	-25 °C to 70°C

Additional information

Nomenclature breakdown (see page 3)
Additional technical data (see page 4)
Example of marking plate (see page 7)

TESTS

Test requirements
EN 60947-3:2009

Test result
The test results are laid down in DEKRA test file 2156694.01.

Conclusion
The examination proved that all test requirements were met.

Tested by : M.T. H. van Gemen

Checked by : F.S. Strikwerda

Factory locations

Santon Holland B.V.
Berkenwoudestraat 4-6, 3079 JA, Rotterdam
The Netherlands

For information only

santon

Type coding XA-type switches

Nomenclature breakdown

Example (a more complicated combination): **XA60.25PLS9C2E-A35E-30.32.2-X0001**

	Example	Description	Options (explanations on the next pages)
The switch	XA	XA type	XA
	60	Rated operational DC Voltage divided by ten	40, 50, 60, 75, 80, 85, 90, 100
	.	Separator	.
	25	Rated operational DC Current	10, 16, 20, 25, 30, 32, 36, 40, 50
	P	Mounting possibility, (P= Panel mounting)	B, D, P, R
	L	Long gland panel mounting, the thickness of the panel is between 3 and 6,5mm	L, or nothing
	S	Poles meant for single pole switching	S, or nothing
	9	The number of DC poles	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
	C	Auxiliary contact(s)	C, O, R, S, W or nothing
	2	The number of auxiliary contacts	1, 2, 3, 4 or nothing
	E	Positions and blockings	E, F, G, H, J, K, L, M, N, T, U, or nothing
	.	Separator	.
	A	Knob type	A, B, C, D, O, P, Q, R, S. For switches to be supplied without a knob it is needed to specify the shaft. This is done by mentioning the knob type between brackets, for instance (A) means: shaft suitable for knob type A.
Access.	35	Shaft length from top plate to top shaft in mm.	Any length in mm up to 99 mm. The standard length is 19 mm, does not have to be mentioned.
	E	Position indication plate	E, F, G, H, J, K, L, M, N, T, U, V, W, X, Y, Z, or nothing
	.	Separator	.
	30	Rated operational AC voltage divided by ten	25, 30, 40, 44, 48, 50, 60, 66, 69 or nothing
Specials	.	Separator	.
	32	Rated operational AC nominal current	16, 25, 30, 32, 36, 40, 50 or nothing
	.	Separator	.

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	2	The number of AC poles	1, 2, 3, 4, 5, 6, 7,8,9,10,11,12 or nothing
	-	Separator	-
	X0001	Sequential number for customer specific assemblies	X0001 to XZZZZ, or nothing,

Mounting possibilities:

Code	Description	Picture
B	Bottom mounting and DIN rail mounting	
D	Double mounting, Bottom and Panel side	
P	Panel mounting	
R	Reverse panel mounting. The screws in the terminals are accessible from the bottom side.	

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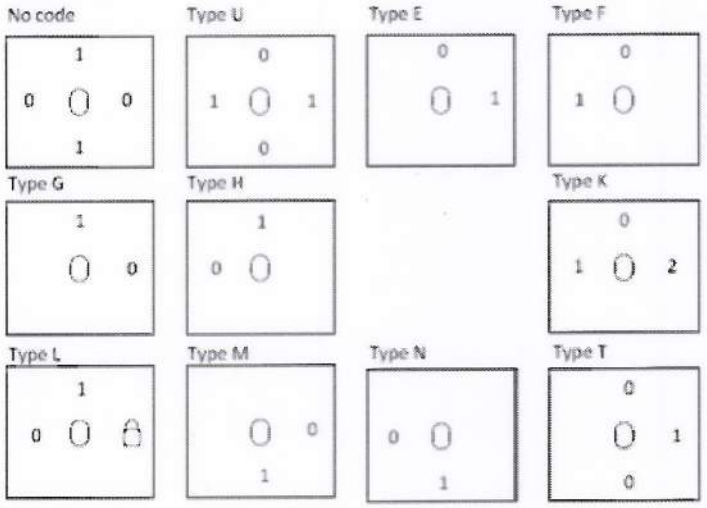
For information only

Auxiliary contacts:

Code	Description with main contacts	Terminal marking
C	normally open	13 – 14
O	normally closed	11 – 12
R	both normally open and closed in one chamber	13 – 14, 11 - 12
S	normally closed and normally open	11 – 12, 13 - 14
W	2 normally open and 1 normally closed	13 – 14, 23 – 24, 11 - 12

Switch positions and blockings:

Standard ON-OFF



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Example of marking plate