DNV·GL

Certificate No:
TAE00001VX

TYPE APPROVAL CERTIFICATE

This is to certify:

That the RCD - Residual Current Device

with type designation(s)
Acti9 iC60 RcBo

Issued to
Schneider Electric Industries SAS
GRENOBLE, France

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2022-06-09**.

Issued at **Høvik** on **2017-06-10**
DNV GL local station: **Marseille** for **DNV GL**

Approval Engineer: **Nicolay Horn**

Andreas Kristoffersen
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

Job Id:
Certificate No: **TAE00001VX**

Product description

2P -- Residual Current Circuit-Breaker.

		Acti9 iC60 RcBo
Operating characteristics		AC, A, A(SI)
Rated current I_n	A	$10 \leq I_n \leq 32$
Rated sensitivity $I_{\Delta n}$	mA	30/300
Rated residual breaking capacity $I_{\Delta m}$	kA	6
Rated service breaking capacity I_{CS} @ 230VAC	kA	10
Rated ultimate breaking capacity Icn @ 230VAC	kA	10
Thermo-magnetic release characteristic		B, C
-Rated voltage U_e	V	230-240
-Rated frequency	Hz	50…60
-Rated insulation voltage U_i	V	500
-Rated impulse withstand voltage U_{imp}	kV	4
Dielectric test voltage at ind. frequency for 1 min.	kV	2,5
Degree of protection housing/ terminals		IP 4X/ IP2X

3P -- Residual Current Circuit-Breaker

		Acti9 iC60 RcBo	Acti9 iC60 RcBo
Operating characteristics		A	A
Rated current I_n	A	$10 \leq I_n \leq 32$	$10 \leq I_n \leq 32$
Rated sensitivity $I_{\Delta n}$	mA	30	30
Rated residual breaking capacity $I_{\Delta m}$	kA	6	6
Rated service breaking capacity I_{CS} @ 230VAC	kA	7.5	6
Rated ultimate breaking capacity I_{Cn} @ 230VAC	kA	10	6
Thermo-magnetic release characteristic		C	C
-Rated voltage U_e	V	230-240	230-240
-Rated frequency	Hz	50…60	50…60
-Rated insulation voltage U_i	V	500	500
-Rated impulse withstand voltage U_{imp}	kV	4	4
Dielectric test voltage at ind. frequency for 1 min.	kV	2,5	2,5
Degree of protection housing/ terminals		IP 4X/ IP2X	IP 4X/ IP2X

4P -- Residual Current Circuit-Breaker

		Acti9 iC60 RcBo
Operating characteristics		AC, A, A(SI)
Rated current I_n	A	$10 \leq I_n \leq 32$
Rated sensitivity $I_{\Delta n}$	mA	30/300
Rated residual breaking capacity $I_{\Delta m}$	kA	6
Rated service breaking capacity I_{CS} @ 230VAC	kA	6
Rated ultimate breaking capacity Icn @ 230VAC	kA	6
Thermo-magnetic release characteristic		B, C
-Rated voltage U_e	V	230-240
-Rated frequency	Hz	50…60
-Rated insulation voltage U_i	V	500
-Rated impulse withstand voltage U_{imp}	kV	4
Dielectric test voltage at ind. frequency for 1 min.	kV	2,5
Degree of protection housing/ terminals		IP 4X/ IP2X

Job Id:
Certificate No: **TAE00001VX**

Name an place of manufacturer

GEWISS Portugal LDA
PENAFIEL
Portugal

Application/Limitation

For installation inside switchboards, distribution boards and controlgear enclosure.

Temperature class: C
Humidity class: B
Vibration class: A

Type Approval documentation

Tests carried out

IEC 61009-1 (2010 3td edition)) +A1 (2012)+A2(2013) used in conjunction with IEC 61009-2-1 (1991) or IEC 61009-2-2 (1991). DNVGL-CG-0339

Marking of product

Schneider Electric – type designation - voltage – frequency – current – tripping current – operating characteristic

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.
The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate

Assessment to be performed at 2 and 3.5 year and at renewal.

END OF CERTIFICATE