



VALIDACION CERTIFICADO

SM SERVIMETERS



PRODUCT CONFORMITY CERTIFICATE

SCHEME 5 – CONTINUOUS MARK

CERTIFICATE NUMBER: PROD-SM00558-1

SERVIMETERS SAS

Certifies that:

THE PRODUCTS

MEDIUM VOLTAGE CURRENT TRANSFORMERS

Whose references indicated in the Annex, are manufactured by RYMEL INGENIERIA ELECTRICA SAS, Located in: Paraje el Noral , Autopista Norte, Copacabana, Antioquia

Marketed by:

RYMEL ELECTRICAL ENGINEERING SAS

NIT: 890.919.437 - 1

Located in:

Noral area, North Highway, Copacabana, Antioquia

They comply with the specific requirements of technical standards NTC 5933:2024 (IEC 61869-1:2023) – NTC 2205:2013 (IEC 61869-2:2012) and IEEE std c57.13:2016

Issue Date: 2022-07-05
Modification date: 2025-08-14

Expiration Date: 2028-07-01
Renewal date: 2025-07-01

APPROVAL OF THE CERTIFICATE

Engineer Luisa Fernanda Toro Ríos
General manager

Servimeters SAS Observations:

- 1- This certificate covers only the related product references.
- 2- The validity of this certificate during its term is subject to compliance with and the outcome of the annually scheduled surveillance evaluations.
- 3- Any modification to this certificate, as well as any misuse thereof, is void and subject to legal penalties.
- 4- This Product Certificate does not imply any judgment regarding products other than those mentioned in the list of certified references, nor regarding other products manufactured, marketed, integrated, or imported by the certificate holder.
- 5- Modification date 2023-03-21 corresponds to the inclusion of standard 5933-2012
- 6- Modification date 2024-02-27 corresponds to the adjustment of the nominal short-circuit thermal current (I_{th}) tables and inclusion of the IEEE std C57.13:2016 standard
- 7- Modification date 2025-07-01 corresponds to the update of the versions of the technical standards: NTC 5933:2024 (IEC 61869-1:2023)
- 8- Renewal date: 2025-07-01
- 9- Modification date 2025-08-14 corresponds to the adjustment in the accuracy class description

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Bogotá, Carrera 20C No 74A-10 Barrio San Felipe, PBX (57)(601) 210 0833

Cel: (57) 320 888 2407, servicioalcliente@servimeters.com

Compruebe su validez escaneando el código QR o comuníquese con nosotros.



ISO/IEC 17065:2012
17-CPR-002



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CERTIFICATE NUMBER: PROD-SM 00558-1

EXHIBIT

CURRENT TRANSFORMERS (CT)

GUY	Inside	Abroad
Reference	TCIM	TCEM
Maximum voltage (kV)	17.5	
Insulation level (kV)	17.5/38/95	
Primary nominal current Ipr (A)	From 2 to 800	From 2 to 800
Nominal secondary current Isr (A)	1 or 5	1 or 5
Overcurrent limit factor	1.2	
Nominal burden power (VA)	1, 2.5, 5, 10, 15, 30 VA	
Accuracy class	0.2S; 0.5S; 0.5; 0.2; 5P; 10P	
Frequency (Hz)	50/60	
Type of insulation	Epoxy resin	
Rated short-circuit thermal current (Ith)	4 kA, 3 s: for ratios from 2/5 to 3/5 8 kA, 3 s: for ratios from 3/5 to 80/5 16 kA,3 s: for ratios from 100/5 to 800/5	
Nominal dynamic current ('dyn)	2.5* Ith .	
Referential	NTC 5933:2024 (IEC 61869-1:2023) NTC 2205:2013 (IEC 61869-2:2012)	

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GUY	Inside	Abroad	
Reference	TCIM	TCEM	
Maximum voltage (kV)	15.5		
Insulation level (kV)	15.5/34/95		
Primary nominal current Ipr (A)	From 2 to 800	From 2 to 800	
Nominal secondary current Isr (A)	1 or 5	1 or 5	
Direct thermal current factor	TC	30 ° C	55 ° C
	2 to 80 A	3	2
	81 to 400 A	2	1.33
	401 to 600 A	1.5	1
	601 to 800 A	1.33	1
TOTAL Power (VA at 5 A)	B-0.1 (2.5) B-0.2 (5.0) B-0.5 (12.5) B-0.9 (22.5) B-1.8 (45.0) B-1.0 (25.0) B-2.0 (50.0)		
Accuracy class	0.15S; 0.15; 0.3; 0.6; 1.2 C; T (error limit at nominal current 3% - already 20 times the nominal current 10%) X (error limit at nominal current 1%)		
Frequency (Hz)	50/60		
Type of insulation	Epoxy resin		
Rated short-circuit thermal current (Ith)	4 kA, 3 s: for ratios from 2/5 to 3/5 8 kA, 3 s: for ratios from 3/5 to 80/5 16 kA, 3 s: for ratios from 100/5 to 800/5		
dynamic current ('dyn)	2.7* Ith.		
Referential	IEEE std C57.13:2016		

End of certificate.

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