



**NOTICE OF APPROVAL**

Issued by statutory authority of the Minister of Industry (styled Innovation, Science and Economic Development) for the following device model(s):

**TYPE OF DEVICE**

Instrument Transformer: Voltage

**AVIS D'APPROBATION**

Émis en vertu du pouvoir statutaire du ministre de l'Industrie (dénommé Innovation, Sciences et Développement économique) pour le(s) modèle(s) d'instrument suivant(s) :

**TYPE D'APPAREIL**

Transformateur de mesure: tension

**APPLICANT / REQUÉRANT**

GE Grid Solutions, LLC  
1 Power Lane  
Charleroi, PA, 15022  
USA

**MANUFACTURER / FABRICANT**

GE Grid Solutions, LLC  
1 Power Lane  
Charleroi, PA, 15022  
USA

**MODEL(S) / MODÈLE(S)**

OTCF\_245.IM

**MANUFACTURER'S RATING / CLASSEMENT DU FABRICANT**

<b>Rated Ratio(s) / Rapport(s) nominal(aux)</b>	138000-115/69-115/69V
<b>Thermal Burden / Fardeau thermique</b>	See "Nameplate" in Section 2. Voir "Plaque signalétique" dans la Partie 2.
<b>Frequency / Fréquence</b>	60 Hz
<b>Voltage Class / Catégorie de tension</b>	See "Nameplate" in Section 2. Voir "Plaque signalétique" dans la Partie 2.
<b>Lightning Impulse Level / Le niveau de tenue au choc de foudre</b>	1050 kV

**NOTE :** This approval applies only to meters, the design, composition, construction and performance of which are, in every material respect, identical to that described in the material submitted, and that are typified by samples submitted by the applicant for evaluation for approval in accordance with sections 13 and 14 of the *Electricity and Gas Inspection Regulations*. The following is a summary of the principal features only.

**REMARQUE :** Cette approbation ne vise que les compteurs dont la conception, la composition, la construction et le rendement sont identiques, en tout point, à ceux qui sont décrits dans la documentation reçue et pour lesquels des échantillons représentatifs ont été fournis par le requérant aux fins d'évaluation, conformément aux articles 13 et 14 du *Règlement sur l'inspection de l'électricité et du gaz*. Ce qui suit est une brève description de leurs principales caractéristiques.

**SECTION 1 – Ratings and Specifications**

**PARTIE 1 – Classements et caractéristiques**

<b>Approved Model Designations / Désignations de modèle approuvé</b>				
The model OTCF_245.IM is a post type, oil insulated capacitor voltage transformer for outdoor use. Le modèle OTCF_245.IM est un transformateur-condensateur de tension de type poteau et isolé à l'huile, pour utilisation extérieure.				
<i>Transformers are approved for revenue metering only for the characteristics identified below:</i> <i>Les transformateurs sont approuvés aux fins de facturation seulement pour les caractéristiques indiquées ci-dessous:</i>				
<b>Rated Ratio / Rapport nominal</b>	<b>Approved Primary and Secondary Voltage / Tension primaire et secondaire approuvée</b>	<b>Approved Tap / Enroulement approuvé</b>	<b>Accuracy Class / Classe de précision</b>	<b>Rated Voltage Factor / Facteur de tension assigné</b>
138000-115/69-115/69V	138000-115V	X <sub>1</sub> -X <sub>3</sub>	① 0.3WXYZ	1.2 Cont. 1.5 Un 30s
	138000-115V	Y <sub>1</sub> -Y <sub>3</sub>	① 0.3WXYZ	1.2 Cont. 1.5 Un 30s
138000-115/69-115/69V	138000-115V	X <sub>1</sub> -X <sub>3</sub>	0.3WXYZ	1.2 Cont. 1.5 Un 30s
	138000-115V	Y <sub>1</sub> -Y <sub>3</sub>		1.2 Cont. 1.5 Un 30s
138000-115/69-115/69V	138000-115V	X <sub>1</sub> -X <sub>3</sub>	0.3WXYZ ZZ	1.2 Cont. 1.5 Un 30s
	138000-115V	Y <sub>1</sub> -Y <sub>3</sub>		1.2 Cont. 1.5 Un 30s
138000-115/69-115/69V	138000-115V	X <sub>1</sub> -X <sub>3</sub>	0.3WXYZ	1.2 Cont. 1.5 Un 30s
	138000-115V	Y <sub>1</sub> -Y <sub>3</sub>		1.2 Cont. 1.5 Un 30s

① Approved for double accuracy rating: 0.3WXYZ-0.3WXYZ

*Transformers are approved for revenue metering only for the characteristics identified below:*

*Les transformateurs sont approuvés aux fins de facturation seulement pour les caractéristiques indiquées ci-dessous:*

<b>Rated Ratio / Rapport nominal</b>	<b>Approved Primary and Secondary Voltage / Tension primaire et secondaire approuvée</b>	<b>Approved Tap / Enroulement approuvé</b>	<b>Accuracy Class / Classe de précision</b>	<b>Rated Voltage Factor / Facteur de tension assigné</b>
138000-115/69- 115/69V	138000-115V	X <sub>1</sub> -X <sub>3</sub>	<sup>Ⓜ</sup> 0.3WXY <sup>Ⓜ</sup> 0.6WXYZ	1.2 Cont. 1.5 Un 30s
	138000-115V	Y <sub>1</sub> -Y <sub>3</sub>	<sup>Ⓜ</sup> 0.3WXY <sup>Ⓜ</sup> 0.6WXYZ	1.2 Cont. 1.5 Un 30s
138000-115/69- 115/69V	138000-115V	X <sub>1</sub> -X <sub>3</sub>	0.3WXY 0.6WXYZ	1.2 Cont. 1.5 Un 30s
	138000-115V	Y <sub>1</sub> -Y <sub>3</sub>		1.2 Cont. 1.5 Un 30s

<sup>Ⓜ</sup> Approved for double accuracy rating: 0.3WXY-0.3WXY and 0.6WXYZ-0.6WXYZ

**SECTION 2 – Nameplate and Photos**

**PARTIE 2 – Plaque signalétique et photos**

TYPE	OTCF_245.IM		S/N	*	YEAR	2022		
TOTAL WEIGHT	423 KG	OIL VOLUME	59.6 L	INSTRUCTION BOOK No.	IB-CVT-01			
INSULATION LEVEL	MAXIMUM SYSTEM VOLTAGE	POWER FREQUENCY WITHSTAND VOLTAGE	BASIC SWITCHING LEVEL	BASIC IMPULSE LEVEL	CSA C61689-5			
	300	460	—	1050	kV			
VOLTAGE FACTOR	1.2CONT., 1.5-30S		RATED FREQ.	60	Hz			
RATED PRIMARY VOLTAGE			138000	V				
SEC. TERMINALS	X1-X3	X2-X3						
	Y1-Y3	Y2-Y3						
SEC. VOLTAGE (V)	115	69						
MARKED RATIO	1200	2000						
ACCURACY-BURDEN	0.3WXYZ-0.3WXYZ & 1PXYZ							
THERMAL RATING	1000 VA							
MC APPROVAL #: *								
APPLICABLE TO X1-X3 & Y1-Y3 ONLY								
CAPACITOR UNIT SERIAL No.								
C <sub>N</sub>	5000	pF	C <sub>1</sub>	*	pF	C <sub>2</sub>	*	pF

 **COUPLING CAPACITOR VOLTAGE TRANSFORMER**  
**⚡ ATTENTION ⚡**  
 CLOSE POTENTIAL AND CARRIER (IF APPLICABLE) GROUNDING SWITCHES PRIOR TO OPENING THE DOOR.  
 (THIS UNIT CONTAINS NO P.C.B.)  
 MADE IN USA 301345.0001

TYPE	OTCF_245.IM		S/N	*	YEAR	2022		
TOTAL WEIGHT	423 KG	OIL VOLUME	59.6 L	INSTRUCTION BOOK No.	IB-CVT-01			
INSULATION LEVEL	MAXIMUM SYSTEM VOLTAGE	POWER FREQUENCY WITHSTAND VOLTAGE	BASIC SWITCHING LEVEL	BASIC IMPULSE LEVEL	CSA C61689-5			
	253	460	—	1050	kV			
VOLTAGE FACTOR	1.2CONT., 1.5-30S		RATED FREQ.	60	Hz			
RATED PRIMARY VOLTAGE			138000	V				
SEC. TERMINALS	X1-X3	X2-X3						
	Y1-Y3	Y2-Y3						
SEC. VOLTAGE (V)	115	69						
MARKED RATIO	1200	2000						
ACCURACY-BURDEN	0.3 WXYZ							
THERMAL RATING	1000 VA							
MC APPROVAL #: *								
APPLICABLE TO X1-X3 & Y1-Y3 ONLY								
CAPACITOR UNIT SERIAL No.								
C <sub>N</sub>	5000	pF	C <sub>1</sub>	*	pF	C <sub>2</sub>	*	pF

 **COUPLING CAPACITOR VOLTAGE TRANSFORMER**  
**⚡ ATTENTION ⚡**  
 CLOSE POTENTIAL AND CARRIER (IF APPLICABLE) GROUNDING SWITCHES PRIOR TO OPENING THE DOOR.  
 (THIS UNIT CONTAINS NO P.C.B.)  
 MADE IN USA 301345.0001

TYPE	OTCF_245.IM		S/N	*	YEAR	2022		
TOTAL WEIGHT	423 KG	OIL VOLUME	59.6 L	INSTRUCTION BOOK No.	IB-CVT-01			
INSULATION LEVEL	MAXIMUM SYSTEM VOLTAGE	POWER FREQUENCY WITHSTAND VOLTAGE	BASIC SWITCHING LEVEL	BASIC IMPULSE LEVEL	CSA C61689-5			
	253	460	—	1050	kV			
VOLTAGE FACTOR	1.2CONT., 1.5-30S		RATED FREQ.	60	Hz			
RATED PRIMARY VOLTAGE			138000	V				
SEC. TERMINALS	X1-X3	X2-X3						
	Y1-Y3	Y2-Y3						
SEC. VOLTAGE (V)	115	69						
MARKED RATIO	1200	2000						
ACCURACY-BURDEN	0.3 WXYZ, ZZ							
THERMAL RATING	1000 VA							
MC APPROVAL #: *								
APPLICABLE TO X1-X3 & Y1-Y3 ONLY								
CAPACITOR UNIT SERIAL No.								
C <sub>N</sub>	5000	pF	C <sub>1</sub>	*	pF	C <sub>2</sub>	*	pF

 **COUPLING CAPACITOR VOLTAGE TRANSFORMER**  
**⚡ ATTENTION ⚡**  
 CLOSE POTENTIAL AND CARRIER (IF APPLICABLE) GROUNDING SWITCHES PRIOR TO OPENING THE DOOR.  
 (THIS UNIT CONTAINS NO P.C.B.)  
 MADE IN USA 301345.0001

TYPE	OTCF_245.IM		S/N	*	YEAR	2022		
TOTAL WEIGHT	423 KG	OIL VOLUME	59.6 L	INSTRUCTION BOOK No.	IB-CVT-01			
INSULATION LEVEL	MAXIMUM SYSTEM VOLTAGE	POWER FREQUENCY WITHSTAND VOLTAGE	BASIC SWITCHING LEVEL	BASIC IMPULSE LEVEL	CSA C61689-5			
	253	460	—	1050	kV			
VOLTAGE FACTOR	1.2CONT., 1.5-30S		RATED FREQ.	60	Hz			
RATED PRIMARY VOLTAGE			138000	V				
SEC. TERMINALS	X1-X3	X2-X3						
	Y1-Y3	Y2-Y3						
SEC. VOLTAGE (V)	115	69						
MARKED RATIO	1200	2000						
ACCURACY-BURDEN	0.3 WXYZ							
THERMAL RATING	1500 VA							
MC APPROVAL #: *								
APPLICABLE TO X1-X3 & Y1-Y3 ONLY								
CAPACITOR UNIT SERIAL No.								
C <sub>N</sub>	5000	pF	C <sub>1</sub>	*	pF	C <sub>2</sub>	*	pF

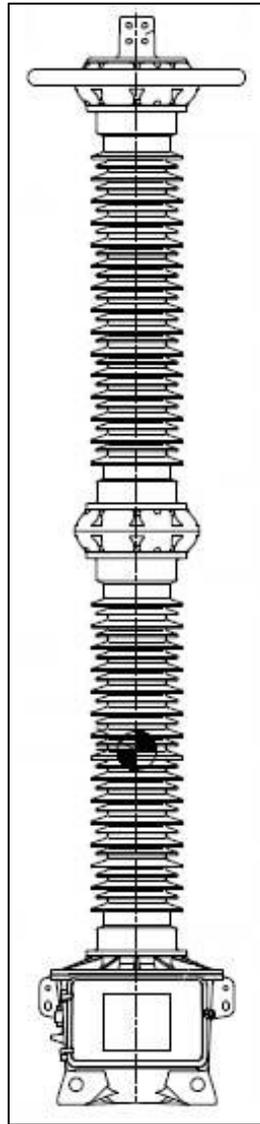
 **COUPLING CAPACITOR VOLTAGE TRANSFORMER**  
**⚡ ATTENTION ⚡**  
 CLOSE POTENTIAL AND CARRIER (IF APPLICABLE) GROUNDING SWITCHES PRIOR TO OPENING THE DOOR.  
 (THIS UNIT CONTAINS NO P.C.B.)  
 MADE IN USA 301345.0001

TYPE	OTCF_245.1M			S/N	*	YEAR	2022
TOTAL WEIGHT	423 KG		OIL VOLUME	59.6 L		INSTRUCTION BOOK No.	IB-CVT-01
INSULATION LEVEL	MAXIMUM SYSTEM VOLTAGE	POWER FREQUENCY WITHSTAND VOLTAGE	BASIC SWITCHING LEVEL	BASIC IMPULSE LEVEL	CSA C61689-5		
	253	460	-	1050	kV		
VOLTAGE FACTOR	1.2CONT., 1.5-30S			RATED FREQ.	60	Hz	
RATED PRIMARY VOLTAGE				138000	V		
SEC. TERMINALS	X1-X3	X2-X3					
	Y1-Y3	Y2-Y3					
SEC. VOLTAGE (V)	115	69					
MARKED RATIO	1200	2000					
ACCURACY-BURDEN	0.3WXY-0.3WXY & 0.6WXYZ-0.6WXYZ						
THERMAL RATING	1500 VA						
SIMULTANEOUS BURDEN FOR 0.3 ACCURACY: 150 VA							
SIMULTANEOUS BURDEN FOR 0.6 ACCURACY: 200 VA							
MC APPROVAL #: *							
APPLICABLE TO X1-X3 & Y1-Y3 ONLY							
CAPACITOR UNIT SERIAL No.							
C <sub>N</sub>	5000	pF	C <sub>1</sub>	*	pF	C <sub>2</sub>	*

 **COUPLING CAPACITOR VOLTAGE TRANSFORMER**  
**⚡ ATTENTION ⚡**  
 CLOSE POTENTIAL AND CARRIER (IF APPLICABLE) GROUNDING SWITCHES PRIOR TO OPENING THE DOOR.  
 (THIS UNIT CONTAINS NO P.C.B.)  
 MADE IN USA 301345.0001

TYPE	OTCF_245.1M			S/N	*	YEAR	2022
TOTAL WEIGHT	423 KG		OIL VOLUME	59.6 L		INSTRUCTION BOOK No.	IB-CVT-01
INSULATION LEVEL	MAXIMUM SYSTEM VOLTAGE	POWER FREQUENCY WITHSTAND VOLTAGE	BASIC SWITCHING LEVEL	BASIC IMPULSE LEVEL	CSA C61689-5		
	253	460	-	1050	kV		
VOLTAGE FACTOR	1.2CONT., 1.5-30S			RATED FREQ.	60	Hz	
RATED PRIMARY VOLTAGE				138000	V		
SEC. TERMINALS	X1-X3	X2-X3					
	Y1-Y3	Y2-Y3					
SEC. VOLTAGE (V)	115	69					
MARKED RATIO	1200	2000					
ACCURACY-BURDEN	0.3 WXY & 0.6 WXYZ						
THERMAL RATING	1500 VA						
SIMULTANEOUS BURDEN FOR 0.3 ACCURACY: 150 VA							
SIMULTANEOUS BURDEN FOR 0.6 ACCURACY: 200 VA							
MC APPROVAL #: *							
APPLICABLE TO X1-X3 & Y1-Y3 ONLY							
CAPACITOR UNIT SERIAL No.							
C <sub>N</sub>	5000	pF	C <sub>1</sub>	*	pF	C <sub>2</sub>	*

 **COUPLING CAPACITOR VOLTAGE TRANSFORMER**  
**⚡ ATTENTION ⚡**  
 CLOSE POTENTIAL AND CARRIER (IF APPLICABLE) GROUNDING SWITCHES PRIOR TO OPENING THE DOOR.  
 (THIS UNIT CONTAINS NO P.C.B.)  
 MADE IN USA 301345.0001



**SECTION 3 – Original and Revisions**

**PARTIE 3 – Originale et Révisions**

	<b>Issued Date / Date d'émission</b>	<b>Evaluator / Évaluateur</b>
<b>Original / Originale</b>	2023-05-31	National Research Council Canada / Conseil national de recherches Canada  Reference / Référence: EPM-2023-0010  Ray Kandalajt Senior Legal Metrologist / Métrologue légal principal

## SECTION 4 – Approval

The design, composition, construction and performance of the meter type(s) identified herein have been evaluated in accordance with regulations and specifications established under the *Electricity and Gas Inspection Act*. Approval is hereby granted accordingly pursuant to subsection 9(4) of the said Act.

The sealing, markings, installation, use and manner of use of meters are subject to inspection in accordance with regulations and specifications established under the *Electricity and Gas Inspection Act*. The sealing and marking requirements are set forth in specifications established pursuant to section 18 of the *Electricity and Gas Inspection Regulations*. Installation and use requirements are set forth in specifications established pursuant to section 12 of the Regulations. Verification of conformity is required in addition to this approval for all metering devices excepting instrument transformers. Inquiries regarding inspection and verification should be addressed to the local office of Measurement Canada.

### Original copy signed by:

Adnan Rashid  
Senior Engineer – Electricity Measurement  
Engineering and Laboratory Services Directorate

Date: 2023-05-31

## PARTIE 4 – Approbation

La conception, la composition, la construction et la performance du(des) type(s) de compteur(s) identifié(s) ci-dessus ayant fait l'objet d'une évaluation conformément au Règlement et aux normes établis aux termes de la *Loi sur l'inspection de l'électricité et du gaz*, la présente approbation est accordée en application du paragraphe 9(4) de ladite Loi.

Le scellage, le marquage, l'installation et l'utilisation des compteurs sont soumis à l'inspection conformément au Règlement et aux normes établis aux termes de la *Loi sur l'inspection de l'électricité et du gaz*. Les exigences de scellage et de marquage sont définies dans les normes établies en vertu de l'article 18 du *Règlement sur l'inspection de l'électricité et du gaz*. Les exigences d'installation et d'utilisation sont définies dans les normes établies en vertu de l'article 12 dudit règlement. En plus de cette approbation et sauf dans les cas des transformateurs de mesure, une vérification de conformité est requise. Toute question sur l'inspection et la vérification de conformité doit être adressée au bureau local de Mesures Canada

### Copie authentique signée par :

Adnan Rashid  
Ingénieur principal – Mesure de l'électricité  
Direction de l'ingénierie et des services de laboratoire

Date : 31-05-2023

Web Site Address / Adresse du site Internet:  
<http://mc.ic.gc.ca>