SLOVENSKI STANDARD
SIST EN 61869-5:2012/AC:2015

01-december-2015

Instrumentni transformatorji - 5. del: Posebne zahteve za kapacitivne napetostne transformatorje - Popravek AC

Instrument transformers - Part 5: Additional requirements for capacitor voltage transformers

Messwandler - Teil 5: Zusätzliche Anforderungen für kapazitive Spannungswandler

Transformateurs de mesure - Partie 5: Exigences supplémentaires concernant les transformateurs condensateurs de tension

Ta slovenski standard je istoveten z: EN 61869-5:2011/AC:2015

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities

SIST EN 61869-5:2012/AC:2015 **en**

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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IEC 61869-5
Edition 1.0 2011-07

INSTRUMENT TRANSFORMERS –

Part 5: Additional requirements for capacitor voltage transformers

IEC 61869-5
Édition 1.0 2011-07

TRANSFORMATEURS DE MESURE –

Partie 5: Exigences supplémentaires concernant les transformateurs condensateurs de tension

CORRIGENDUM 1

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

6.502.2 Transients of ferro-resonance oscillations

Replace the existing formula by the following formula:

$$\hat{\varepsilon}_{\mathrm{F}} = \frac{\hat{U}_{\mathrm{S}(t=T_{\mathrm{F}})} - \dfrac{\sqrt{2}\times U_{\mathrm{P}}}{k_{\mathrm{r}}}}{\dfrac{\sqrt{2}\times U_{\mathrm{P}}}{k_{\mathrm{r}}}} = \frac{k_{\mathrm{r}}\times\hat{U}_{\mathrm{S}(t=T_{\mathrm{F}})} - \sqrt{2}\times U_{\mathrm{P}}}{\sqrt{2}\times U_{\mathrm{P}}}$$

Add the following new line at the end of the existing list:

t is the running time of the ferro-resonance oscillation test.

Table 508 – Test voltage for temperature rise test

Replace the existing Table 508 by the following table:

Table 508 – Test voltage for temperature rise test

Burden	**Rated burden**						**Thermal limiting output from a secondary winding** [a]	
Voltage factor & fault duration time	**F_V = 1,2 continuous**		**F_V = 1,5 or 1,9 30 s**		**F_V = 1,9 8 h**		**-**	**-**
Configuration of test	**Electro-magnetic unit**	**Complete capacitor voltage transformer**	**Electro-magnetic unit**	**Complete capacitor voltage transformer**	**Electro-magnetic unit**	**Complete capacitor voltage transformer**	**Electro-magnetic unit**	**Complete capacitor voltage transformer**
Test voltage till temperature rise is below 1 K/h.	$U_S = \frac{1{,}2 \times U_{Pr}}{k_r}$	$U_P = 1{,}2 \times U_{Pr}$	$U_S = \frac{1{,}2 \times U_{Pr}}{k_r}$	$U_P = 1{,}2 \times U_{Pr}$	$U_S = \frac{1{,}2 \times U_{Pr}}{k_r}$	$U_P = 1{,}2 \times U_{Pr}$	$U_C = \frac{U_{Pr}}{K_C}$	$U_P = U_{Pr}$
Test voltage for fault duration time	–	–	$U_S = \frac{F_V \times U_{Pr}}{k_r}$	$U_P = F_V \times U_{Pr}$	$U_S = \frac{1{,}9 \times U_{Pr}}{k_r}$	$U_P = 1{,}9 \times U_{Pr}$	–	–
[a] Additional test if a thermal limiting output is specified.								