ICS 17.220.20 SLOVENSKÁ TECHNICKÁ NORMA Júl 2021

STN	**Všeobecný postup na overovanie účinnosti ochranných opatrení pri elektrických zariadeniach po oprave Oprava AC**	**STN EN 50678/AC** 33 1101

General procedure for verifying the effectiveness of the protective measures of electrical equipment after repair

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/21

Obsahuje: EN 50678:2020/AC Apr.:2021

132962

EN 50678:2020/AC:2021

CENELEC

Corrigendum to EN 50678:2020

English version

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Replace the formula in 5.3, "Measurement of protective bonding resistance" with the following formula:

"For cross section areas above 1,5 mm^2 and other cable lengths the limit shall be calculated by the following formula:

$$R = \rho \frac{l}{A} + 0,1\Omega \text{ or } R = \frac{l}{\kappa A} + 0,1\Omega$$

where

R is the electrical resistance (Ω);

ρ is the standard value of electrical resistivity (Ω mm^2/m) for the metal used for the PE conductor;

l is the length of the cable in meters (m);

A is the cross-sectional area of the conductor in square millimetres (mm^2);

κ is the electrical conductivity (m/(Ω mm^2)).

NOTE 2 The value of 0,1 Ω in the equation above considers the influence of the contact resistance."

EN 50678:2020/AC:2021

Replace Figure 3e, "Example of protective conductor current — direct method with clamp" with the following figure:

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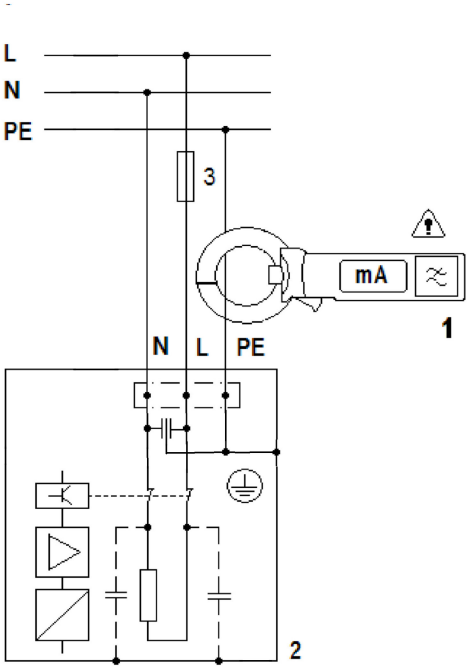

Figure 3e — Example of protective conductor current — direct method with clamp

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