

Temperaturrelais und MINIKA® Strom- und Spannungsrelais Messgeräte MINIPAN® Schaltrelais und Steuerungen Messumformer Netz- und Anlagenschutz

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To whom it may concern

Ihr Zeichen

Ihre Nachricht

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21.01.2016**Grid- and Plant Protection UFR1001E
Conformance with Irish grid protection settings for micro generation**We hereby confirm that the following settings can be made with UFR1001E:

Parameter	Trip setting	Clearance time
Over voltage	230 V + 10 %	0,5 s
Under voltage	230 V – 10 %	0,5 s
Over frequency	50 Hz + 1 %	0,5 s
Under frequency	50 Hz - 4 %	0,5 s
An explicit Loss of Mains functionality must be included. Established methods such as, but not limited to, Rate of Change of Frequency, Vector Shift or Source Impedance Measurement may be used. Where Source Impedance is measured, this must be achieved by purely passive means. Any implementation which involves the injection of pulses onto the DSO network, shall not be permitted.		
ROCOF [where used]	0,4 Hz/s	0,5 s
Vector Shift [where used]	6 degrees	0,5 s

Voltage is set in Volt (207/253 V) and frequency in Hertz (48.00 / 50.50 Hz).

Vector shift always switches as fast as possible (<50 ms).

See also operating manual.

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