

## Type Approval Certificate Extension

This is to certify that Certificate No. 04/20037 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

<b>PRODUCER</b>	VAMP Ltd. Yrittäjänkatu 15 65380 Vaasa FINLAND
<b>PLACE OF PRODUCTION</b>	Crimppi Oy Liikekuja 7 65380 Vaasa FINLAND
<b>DESCRIPTION</b>	200-series Protection Relays
<b>TYPES</b>	VAMP 210                      Generator Protection Relay VAMP 230/245/255        Feeder Terminals VAMP 260                    Power Monitoring Unit VAMP 265                    Generator, Transformer and Motor Differential Protection Relay
<b>APPLICATION</b>	Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2002.
<b>DESIGN CODES</b>	VM 210. EN 003 VM 255. EN 008 VM 260. EN 003 VM 265. EN 005
<b>Certificate No.</b>	04/20037 (E1)
<b>Issue Date</b>	11 February 2010
<b>Expiry Date</b>	21 June 2014
<b>Sheet</b>	1 of 2



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## RATINGS

Operational voltages:

U<sub>c</sub>: 110V/120V/230V a.c., 50Hz

U<sub>c</sub>: 24V/48V/60V/110V/125V/220V d.c.

## OTHER CONDITIONS

Examination of software aspects is restricted to functional operation as demonstrated in the performance test.

Functional arrangements are to comply with appropriate Lloyd's Register Rules and this will be a subject matter of the Plan Approval process.

Operational temperatures of 0° Celsius for VAMP 230/245/255 and -10° Celsius for VAMP 210/260/265 as specified in the Design Codes could not be supported by documentary evidence.

*"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."*

*The attached Design Appraisal Document No. ETS 22583-10 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

All other details remain as the previous Certificate No. 04/20037 to which this extension should be attached.

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