

Type Approval Certificate Extension

This is to certify that Certificate No. 98/20022 (E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	DEIF A/S
PLACE OF PRODUCTION	Frisenborgvej 33 DK-7800 Skive Denmark
DESCRIPTION	Generator and mains control, monitoring and protection units
TYPE	Uni-Line Comprising: Voltage relays RMV-112D, -122D, -132D, -142D Overcurrent and short circuit relays RMC-111D*, -122D*, -132D* Differential current relay RMC-131D Overload/reverse power relays RMP-111D, -112D, -121D Excitation relays RMQ-111D, -121D Frequency relay RMF-112D Synchronisers FAS-113DG, -115D, -125DG
Certificate No.	98/20022 (E5)
Issue Date	05 November 2012
Expiry Date	04 November 2017
Sheet	1 of 2



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Lloyd's Register EMEA

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TYPE CONTINUED	Paralleling relay	HAS-111DG
	Load sharing units	LSU-112DG, -113DG, -114DG, -122DG
	Electronic Potentiometer	EPN-110DN
	Phase sequence relay	RMT-111Q96
APPLICATION	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 1996 (*2002).	
DESIGN CODE	Manufacturer's specification	
OTHER CONDITIONS	HAS-111DG is approved with dead bus option B1 and B2	

"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. HDS/ETS 27221-12 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 98/20022 (E4) to which this extension should be attached.

Certificate No.	98/20022 (E5)
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