

Type Approval Certificate



This is to certify that the undemoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **47 903 - 03 HH**

Company **DEIF A/S**
Frisenborgvej 33
7800 Skive, DENMARK

Product Description **Multi Differential Relay, multi-line 2**

Type **MDR-2 with Option C3**

Environmental Category **C, EMV 1/2**

Technical Data /
Range of Application **MDR-2 :**
Multi differential protection relay for the monitoring of the differential currents of a 3-phase generator/motor
Inputs : 6 currents via current transformers; 2 binary control inputs
Outputs : 6 relay outputs ("System ok"), 5 configurable relays.
Generator protective functions : Differential current (3-phase) protection, with programmable dynamic compensation. Warning: Programmable value and delay; Trip: Programmable value and delay.
Aux. supply: 12-24V DC
Measuring current: -/1A or -/5A, max. 0.3 VA per phase, 30 ... 70 Hz
Relay output: contact rating 8A/250 V AC or 24 V DC
Binary input voltage: 6 ... 32 V DC, Impedance 2.4 kOhm, bi-directional
Option C3 :
2 x Overcurrent protection
1 x Short circuit protection; to be used as back-up short circuit protection, only.
Degree of Protection : IP 20; Front IP 52 (Optional IP 54)

Test Standard **Regulations for the Performance of Type Tests, Ed. 2003; Regulations for the Use of Computer Systems, Ed. 1994, Requirement class 3**

Documents **Test report : IPG 0132, EPA0152; Data sheet: EPA0152, 4921240278A; Designers Reference Book 4189340300D, Description of Option C3: 4189340344A; Deif test report 16A**

Remarks **Documents for each application to be send for approval, additionally.**
Short circuit protection: to be used as back-up short circuit protection, only.

Valid until **2018-11-23**

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Hamburg, 2013-11-24

Type Approval Symbol



Germanischer Lloyd


Arne Schaarmann


Thomas Hartmann