



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Siemens AG GWA Werner-von-Siemens-Strasse 48 92220 Amberg Germany
DESCRIPTION	SIRIUS 3R - Low voltage switchgear load feeder, direct-on line or reversing starter and accessories
TYPE	3RA1 With the following components: Contactor and contactor relays 3RT10, 3RH11 for details see Certificate No. 98/20050 (E6) Circuit breaker 3RV1 for details see Certificate No. 98/20051 (E4) Overload relays (thermal) 3RU11 for details see Certificate No. 98/20053 (E3) Solid-state time relays 3RP1 for details see Certificate No. 98/20054 (E3) AS-Interface for details see Certificate No. 96/20017 (E6)

Certificate No.	98/20052 (E6)
Issue Date	12 June 2017
Expiry Date	18 August 2018
Sheet	1 of 2


 Thorsten Wolff
 Hamburg Technical Support Office
 Lloyd's Register EMEA
LR031.1.2013.12



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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.
STANDARD	EN Standards as detailed on the individual certificates EN 60947-2: 2006 / A1: 2009 / A2: 2013 EN 60947-4 -1: 2010 + A1: 2012 EN 60947-5-1: 2004 + A1: 2009
RATINGS	Operational voltage: 690V, 50/60Hz Operational current: 0.2 – 80A Motor rating: 0.06 – 45kW
OTHER CONDITIONS	Correction factor for ambient air temperature above 60°C is to be obtained from manufacturer.

The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 35375-17 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No.	98/20052 (E6)
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