



TYPE APPROVAL CERTIFICATE

Certificate No:
TAE00002CT
Revision No:
2

This is to certify:

That the Contactor

with type designation(s)
3RT1, 3RH1

Issued to

Siemens AG GWA
Amberg, Bayern, Germany

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Rated voltage (V) up to 1000
Rated current (A) 115-500 (AC3/400V)
Frequency (Hz) 50/60

Issued at **Hamburg** on **2021-06-22**

This Certificate is valid until **2026-06-21**.

DNV local station: **Augsburg**

Approval Engineer: **Harald Amberger**

for **DNV**

.....
Arne Schaarmann
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Contactor 3RT1... Ratings				
Operational voltage U_e		up to 1000V		
Insulation voltage U_i		1000V		
Impulse withstands voltage U_{imp}		8kV		
Frequency (Hz)		50/60Hz /dc		
		Rated operational current I_e AC (40°) DC (60°)		
Motor contactor 3 NO main contacts		400V AC-3 (A)	500V AC-3 (A)	690V AC-3 (A)
Size S6	3RT1054-..	115	130	130
	3RT1055-..	150	185	170
	3RT1056-..	185	185	170
Size S10	3RT1064-..	225	225	225
	3RT1065-..	265	265	265
	3RT1066-..	300	300	280
Size S12	3RT1075-..	400	400	400
	3RT1076-..	500	500	450

Vacuum contactor 3 NO main contacts		400V AC-3 (A)	500V AC-3 (A)	690V AC-3 (A)
Size S10	3RT1264-..	225	225	225
	3RT1265-..	265	265	265
	3RT1266-..	300	300	280
Size S12	3RT1275-..	400	400	400
	3RT1276-..	500	500	450

3-pole contactor for switching resistive load (AC-1)		690V AC-1 (A)	110V DC-1 (A) ¹	220V DC-1 (A) ¹
Size S6	3RT1456-..	275	315	20
Size S10	3RT1466-..	400	380	380
Size S12	3RT1476-..	690	500	500

¹ 2 conducting paths connected in series.
 Further ratings according manufacturer documentation

Accessories; Basic types	
3RH19..	Auxiliary switches
3RT19..	Solid state time-delay blocks Surge suppressors without/with LED
	Terminal modules/adapters, covers.

Ratings and mounting locations according manufacturer documentation.



Job Id: **262.1-005044-5**
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Application/Limitation

Location Classes:

Temperature: D, Humidity: B, Vibration: A, EMC: A

For installation inside switchboards/ enclosures onboard ships and offshore units.

Type Approval documentation

Tests carried out

IEC 60947-4-1, IEC 60947-5-1, IEC 61812-1, cold, dry heat, damp heat, vibration, flame retardancy, EMC

Marking of product

Manufacturers label containing data and manufacturers type number.

Name and place of manufacturer

Siemens AG, GWA
Werner-von-Siemens-Str. 48
92220 Amberg
Germany

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type examination are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type examination documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Examination Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE