

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Multifunction Relay

with type designation(s)
3RP25

Issued to

**Siemens AG, GWA
Amberg, 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.

Issued at **Hamburg** on **2017-08-29**

This Certificate is valid until **2022-08-28**.

DNV GL local station: **Augsburg**

for **DNV GL**

Approval Engineer: **Harald Amberger**

.....
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.



Product description

3RP25... Multifunctional timing relay up to 27 functions according to IEC 61812	
Ratings	
Insulation voltage U_i	300V 500V ¹
Impulse withstand voltage U_{imp}	4kV 6kV ¹
Frequency	50 / 60Hz, DC
Supply voltage U_e	12...240VAC, 380/400...440VAC, 24VAC 12...240VDC, 24VDC
Output relay I_{th} I_e (AC15) I_e (DC13)	5A 3A/24V, 3A/125V, 3A/250V 1A/24V, 0,2A/125V, 0,1A/250V
Output 1NO (semiconductor)	12VAC/DC up to 240VAC/DC – 600mA (3RP25...EW30) 12VAC/DC up to 240VAC/DC – 1A 250VAC/DC – 1A
Type of terminals	Screw terminal Push-in Terminal
Further ratings and overview of functions / time setting ranges acc. manufacturer documentation	
¹ (U_e 380/400...440VAC)	

Application/Limitation

Location Classes:

Temperature: D, Humidity: B, Vibration: A, Enclosure: IP20, EMC: B

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

Type Approval documentation

Tests carried out

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.

Job Id: **262.1-023913-1**
Certificate No: **TAE0000297**

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 approval 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 approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval 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