



CHINA CLASSIFICATION SOCIETY

Plan Approval Comments

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Approval No.: NP23PPP00024

Attn to :Mann Teknik AB

Copy to:CCS Gothenburg Office

This is to certify that the drawings and documents submitted by your kind company have been reviewed and are found to comply with the relevant CCS requirements in item No.3. This approval covers only applicable CCS requirements to the products. Please see comments in item No.4 if any.

1. Product particulars:

Name of product:LNG Bunker transfer system control cabinets

Details refer to approved documents/drawings

2. Intended for:

Shipyard:Nantong CIMC SINOPACIFIC Offshore

Hull No.:S1066

3. Rules and /or Standard:

3.1 CCS Rules: Part 3 Chapter 2; Part 4 Chapter 1, 2 of Rules for Classification of Sea-going Steel Ships (2021);

3.2 CCS Rules: Chapter 10 &13 of Rules for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk (2018) and its amendments .

3.3 CCS Rules:Chapter 4 of Rules for Liquefied Natural Gas Bunkering Vessel(2015)

4. Comments:

/

5. Remarks:

5.1 Final acceptance should be subjected to satisfactory tests by local surveyor.

6. Attachment:

Return list for drawings/documents of products.

Examined by : Liang Pengfei/Ding Wei

Approved by: Wan Xiaolei

Issued by :CCS Product Plan Approval
Center

Date of issue :2023-02-21

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RETURN LIST FOR DRAWINGS/DOCUMENTS OF PRODUCTS

Product:LNG Transfer system for vessels

No.	Title	Drawings/ Documents No.	Approved	Noted	Comment
1	Siemens PLC Datasheet	6AV21240MC010AX0		×	
2	datasheet en	6DL28041AD30		×	
3	SIMATIC Hardware Inst. Manual	6DL28040AD30		×	
4	Breaking bolt complete comp. List	10-0041-C		×	
5	N2 control board Comp. list	10-0210-C		×	
6	Breaking bolt complete	10-0041		×	
7	N2 control board	10-0210	×		
8	ESD base wire(3 switch) Comp list	10-0391-C		×	
9	ESD base wire(3 switch)	10-0391		×	
10	Quick connection box Comp list	10-0448-C		×	
11	Quick connection box	10-0448		×	
12	Cabinet for Node box	30-0582-1	×		
13	Cabinet for PLC	30-0581	×		
14	Terminal box, Ex i	30-0792	×		
15	Terminal box, Ex e	30-0793	×		
16	Terminal box, Ex i	30-0796	×		
17	Terminal box, Ex e	30-0794	×		
18	-Electrical drawing L1032-v2	DOC10324	×		
19	-TS-PandID-10-0210 10-0810 v3	DOC10150	×		
20	Wiring and piping layout L1032 v1	DOC10325		×	
21	-Technical specification- L1032-v2	DOCM10004		×	
22	PLC Cabinet datasheet	Rittal AE 1073.500 datasheet	×		
23	Component list L1032	Y-LSL1032-C		×	
24	Connection Assembly	Y-COL1032		×	

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No.	Title	Drawings/ Documents No.	Approved	Noted	Comment
25	Wire assembly Comp.list	Y-WAL1032-C		×	
26	Wire assembly 35m	Y-WAL1032		×	
27	Vessel separation device	Y-VSL1032		×	
28	High Pressure N2 cabinet Installation drawing	Y-N2L1032-1		×	
29	High Pressure N2 cabinet	Y-N2L1032	×		

Note: Mark of "×" in the column of "Approved" or "Noted" indicates that the drawing or document has been approved or noted by CCS, "Comment" indicates that there is comment on the drawing or document.