



中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
HB24PTB00016_01

型式认可证书
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

Weidmüller Interface GmbH & Co. KG

地址/Address

Klingenbergstrasse 26, 32758 Detmold, Germany

产品名称/Product

远程IO系统
Remote I/O System

认可标准/Approval Standard

1. 中国船级社《钢质海船入级规范》第7篇第1、2章
Chapter 1 and 2, Part Seven of China Classification Society Rules for Classification of Sea-going Steel Ships

用于/Intended for

船舶/Ships

产品明细/Product Description

可编程逻辑控制器/Programmable Logic Controller (M0001)

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	u-remote I/O-System u-control I/O-System	
型号/Type	UR20, UC20, see additional page(s)	
电源/Power Source	DC24V	

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No.: NP23PPP01692, NP21PPP04451



证书有效期至/ This Certificate is valid until 2026年07月24日/ Jul. 24,2026

发证机构/ Issued by 中国船级社汉堡分社
CHINA CLASSIFICATION SOCIETY Hamburg Branch

签发日期/ Date 2024年08月21日
Aug. 21,2024

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体，必须同时使用。纸质证书每页均须由本社盖章方为有效，电子证书含数字签名方为有效，本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时，可以向本社检验机构咨询。本证书凡是未注明版本的规范，其（发证时）最新版本适用于本证书。
This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices. For Rules with no version indication, their latest version (at the time of issuance of the certificate) applies to the this certificate.



Form No.: T01.

联系方式/Contact Us, 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)

UTN:P024-02730009

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No. : see additional pages
试验报告日期/ Test Report Date :

认可后的产品检验方式/ Method of Product Inspection after Approval

按规范只认可不进行产品检验的产品/The product approved only in term of the rules:
认可后的产品检验由制造厂按本社批准的产品检验计划进行检验, 经检验合格后由制造厂签发合格证明, 并连同该产品的本社认可证书复印件一并交付用户, 制造厂对产品符合公约、法规、本社规范和本社认可的标准规定负责。
After approval, product inspection should be carried out by the Manufacturer in accordance with the product inspection scheme approved by the Society. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

认可保持条件/ Maintenance Requirements of Approval

1. 型式认可后, 如果产品及其重要零部件的设计、所用材料或制造方法有所改变, 且影响到产品的主要特性、特征; 或产品的性能指标有所更改, 且超过认可的范围, 则有关图纸和文件应经检验机构审批。并在检验机构认为必要时, 经本社检验人员见证有关试验和进行检查, 其结果应能证实仍符合认可条件。
After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.
2. 工厂的质量管理体系应保持有效运行, 并且与认可时一致。如果质量管理体系发生改变, 应经原体系认证机构审核并报本社批准。
The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.
3. 认可证书有效期内, 如果出现可能导致本社取消认可的情况, 工厂应及时采取有效的纠正措施。
Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.
4. 在认可证书有效期内, 本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核, 以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。
Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.
5. 如果属于获得型式认可B 模式证书, 且无需颁发船用产品证书/等效证明文件的情况, 证书获得者应接受本社每年一次的定期审核, 定期审核日为认可证书期满之日对应的每一周年日, 检查工作应在周年日的前后三个月内进行。
If belong to the situation of the product has type approval mode B certificate, and marine product certificate/equivalent document is not necessary, those who have obtained the certificate should be subject to periodical audit every year. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

备注/Remarks

本证书由原型式认可证书 (No. HB22PTB00024_01) 变更并替代原证书。
This Certificate is modified from and supersedes the previous Type Approval Certificate No. HB22PTB00024_01.

本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.

公司应记录软件的所有变更。

All changes in software are to be recorded by the manufactory.

软件的重大变更应通知中国船级社，并提交相关文件进行评估。如果评估认定该变更会影响到规范中要求的功能，应重新进行相关型式试验，并进行型式认可的相关变更。

Significant software changes should be notified to the China Classification Society and relevant documents should be submitted for assessment. If the assessment confirms that the change will affect the function required in the rules, relevant type test should be carried out again, and type approval will be modified.

中国船级社汉堡分社

CCS Hamburg Branch

注：本证书含有附页，共3页

Note: The certificate is attached with additional 3 page(s)

Products description

Digital Input Modules			
No.	Type	HVN	SVN
1315170000	UR20-4DI-P	01.30.xx	N/A
2009360000	UR20-4DI-P-3W	01.30.xx	N/A
1315180000	UR20-8DI-P-2W	01.10.xx	N/A
1394400000	UR20-8DI-P-3W	01.40.xx	N/A
1315190000	UR20-8DI-P-3W-HD	01.11.xx	N/A
1315200000	UR20-16DI-P	01.40.xx	N/A
1315210000	UR20-16DI-P-PLC-INT	01.30.xx	N/A
1460140000	UR20-2DI-P-TS	01.30.xx	N/A
1460150000	UR20-4DI-P-TS	01.30.xx	N/A
2792150000	UR20-4DI-P-TS-V2	01.02.xx	N/A
1315350000	UR20-4DI-N	01.30.xx	N/A
1315370000	UR20-8DI-N-3W	01.60.xx	N/A
1315390000	UR20-16DI-N	01.40.xx	N/A
1315400000	UR20-16DI-N-PLC-INT	01.30.xx	N/A
1550070000	UR20-4DI-2W-230V-AC	01.31.xx	N/A
2457240000	UR20-8DI-ISO-2W	01.02.xx	N/A

Digital Output Modules			
No.	Type	HVN	SVN
1315220000	UR20-4DO-P	01.31.xx	N/A
1315230000	UR20-4DO-P-2A	01.40.xx	N/A
1394420000	UR20-4DO-PN-2A	01.11.xx	N/A
1315240000	UR20-8DO-P	01.61.xx	N/A
1509830000	UR20-8DO-P-2W-HD	01.11.xx	N/A
1315250000	UR20-16DO-P	01.92.xx	N/A
1315270000	UR20-16DO-P-PLC-INT	01.41.xx	N/A
1315410000	UR20-4DO-N	01.11.xx	N/A
1315420000	UR20-4DO-N-2A	01.11.xx	N/A
1315430000	UR20-8DO-N	01.21.xx	N/A
1315440000	UR20-16DO-N	01.21.xx	N/A
1315270000	UR20-16DO-N-PLC-INT	01.21.xx	N/A
2457250000	UR20-4DO-ISO-4A	01.53.xx	N/A
1315550000	UR20-4RO-CO-255	01.21.xx	N/A
1315540000	UR20-4RO-SSR-255	01.31.xx	N/A

Digital Input and Output Modules			
No.	Type	HVN	SVN
2456530000	UR20-8DIO-P-3W-DIAG	01.10.xx	01.00.xx

Digital Pulse Width Modulation Modules			
No.	Type	HVN	SVN
1315600000	UR20-2PWM-PN-0.5A	01.11.xx	N/A
1315610000	UR20-2PWM-PN-2A	01.11.xx	N/A

Digital Pulse Width Modulation Modules			
No.	Type	HVN	SVN
2705620000	UR20-2AI-UI-16	01.40.xx	01.00.xx
2566090000	UR20-2AI-UI-16-DIAG	01.40.xx	01.00.xx
1315620000	UR20-4AI-UI-16	01.40.xx	01.02.xx
1315690000	UR20-4AI-UI-16-DIAG	01.40.xx	01.02.xx
1993880000	UR20-4AI-UI-DIF-16-DIAG	01.30.xx	01.05.xx
2544660000	UR20-4AI-UI-DIF-32-DIAG	01.30.xx	01.01.xx
2566960000	UR20-4AI-UI-ISO-16-DIAG	00.60.xx	01.01.xx
1506920000	UR20-4AI-UI-16-HD	01.10.xx	01.02.xx
1506910000	UR20-4AI-UI-16-DIAG-HD	01.10.xx	01.02.xx

1394390000	UR20-4AI-UI-12	01.40.xx	01.02.xx
1315650000	UR20-8AI-I-16-HD	01.10.xx	01.02.xx
1315720000	UR20-8AI-I-16-DIAG-HD	01.10.xx	01.02.xx
1315670000	UR20-8AI-I-PLC-INT	01.20.xx	01.02.xx
1315700000	UR20-4AI-RTD-DIAG	01.30.xx	01.00.xx
2456540000	UR20-4AI-RTD-HP-DIAG	01.30.xx	01.00.xx
1315710000	UR20-4AI-TC-DIAG	01.30.xx	01.00.xx
2001670000	UR20-4AI-R-HS-16-DIAG	01.10.xx	01.00.xx
2617520000	UR20-4AI-I-HART-16-DIAG	01.10.xx	01.00.xx
2555940000	UR20-8AI-RTD-DIAG-2W	01.30.xx	01.00.xx

Analog Output Modules

No.	Type	HVN	SVN
2705630000	UR20-2AO-UI-16	01.31.xx	01.03.xx
2566100000	UR20-2AO-UI-16-DIAG	01.31.xx	01.03.xx
2566970000	UR20-2AO-UI-ISO-16-DIAG	01.10.xx	01.00.xx
1315680000	UR20-4AO-UI-16	01.31.xx	01.03.xx
1315730000	UR20-4AO-UI-16-DIAG	01.31.xx	01.03.xx
2453880000	UR20-4AO-UI-16-M	01.10.xx	01.03.xx
2453870000	UR20-4AO-UI-16-M-DIAG	01.10.xx	01.03.xx

Digital counter modules

No.	Type	HVN	SVN
1315570000	UR20-1CNT-100-1DO	01.01.xx	N/A
1315590000	UR20-2CNT-100	01.02.xx	N/A
1315580000	UR20-1CNT-500	01.11.xx	N/A
1508080000	UR20-2FCNT-100	01.02.xx	N/A

Communication modules

No.	Type	HVN	SVN
1508090000	UR20-1SSI	01.11.xx	N/A
1315750000	UR20-1COM-232-485-422	01.20.xx	01.00.xx
2826800000	UR20-1COM-232-485-422-V2	01.00.xx	01.00.xx
2007430000	UR20-1COM-SAI-PRO	01.20.xx	01.02.xx
2489840000	UR20-1COM-CANOPEN	01.20.xx	01.00.xx

Safe I/O Modules

No.	Type	HVN	SVN
2464580000	UR20-4DI-4DO-PN-FSOE-V2	01.13.xx / 01.14.xx	01.00.xx
2464600000	UR20-8DI-PN-FSOE-V2	01.12.xx / 01.14.xx	01.00.xx
2464570000	UR20-4DI-4DO-PN-FSPS-V2	01.13.xx / 01.14.xx	01.06.xx
2464590000	UR20-8DI-PN-FSPS-V2	01.13.xx / 01.14.xx	01.00.xx

Coupler

No.	Type	HVN	SVN
1334910000	UR20-FBC-EC	02.04.xx / 02.06.xx	02.01.xx
1334890000	UR20-FBC-CAN	01.08.xx / 01.09.xx	01.10.xx
2625010000	UR20-FBC-CC	01.00.xx / 01.01.xx	01.02.xx
2680260000	UR20-FBC-CC-TSN	01.01.xx / 01.02.xx	01.03.xx
1334920000	UR20-FBC-EIP	02.03.xx / 02.04.xx	02.13.xx
1550550000	UR20-FBC-EIP-V2	01.00.xx / 01.01.xx	01.03.xx
2661310000	UR20-FBC-IEC61162-450	01.05.xx / 01.06.xx	01.02.xx
2476450000	UR20-FBC-MOD-TCP-V2	01.05.xx / 01.06.xx	02.10.xx
2614380000	UR20-FBC-PB-DP-V2	01.00.xx / 01.01.xx	01.12.xx
1334940000	UR20-FBC-PL	01.05.xx / 01.06.xx	01.10.xx
2566380000	UR20-FBC-PN-IRT-V2	01.00.xx / 01.01.xx	01.13.xx

Diverse

No.	Type	HVN	SVN
1334710000	UR20-PF-I	01.31.xx	N/A

1334740000	UR20-PF-O	01.31.xx	N/A
1315770000	UR20-ES	01.00.xx	N/A
1334770000	UR20-16AUX-I	01.02.xx	N/A
1334780000	UR20-16AUX-O	01.01.xx	N/A
1334790000	UR20-16AUX-FE	01.02.xx	N/A
1334800000	UR20-16AUX-GND-I	01.02.xx	N/A
1334810000	UR20-16AUX-GND-O	01.02.xx	N/A

Controllers			
No.	Type	HVN	SVN
2674520000	UC20-SL2000-EC	01.22.00	0.3.2
2674620000	UC20-SL2000-EC-CAN	01.22.00	0.3.2
2638920000	UC20-SL2000-OLAC-EC	01.22.00	0.3.2
2655590000	UC20-SL2000-OLAC-EC-CAN	01.22.00	0.3.2
1334950000	UC20-WL2000-AC	01.22.00	0.3.2
2564970000	UC20-WL2000-AC-CAN	01.22.00	0.3.2
1334990000	UC20-WL2000-IOT	01.22.00	0.3.2

The Compass Safe Distance, for Standard Compass is 0.65m, for Steering Compass is 0.45m.

Approval Test Report

No	Test Report No.	Test Report Date	Laboratory / Address
1.	LAB22790E	2020.05.06	Weidmueller Interface GmbH & Co. KG / Orbker Strasse 48, 32758 Detmold, Germany
2.	LAB23060E	2020.11.03	
3.	LAB20772E	2016.12.21	
4.	LAB20807E	2017.01.04	
5.	LAB20808E	2017.01.04	
6.	LAB20816E	2017.02.08	
7.	LAB20841E	2017.04.06	
8.	LAB21221E	2017.08.22	
9.	LAB21222E	2017.08.22	
10.	LAB21232E	2017.07.12	
11.	LAB22416E	2019.10.14	
12.	LAB22533E	2020.02.10	
13.	LAB22373E	2020.01.22	
14.	LAB22417E	2020.01.22	
15.	LAB22418E	2019.10.07	
16.	LAB22778E	2020.09.08	
17.	LAB22869E	2020.09.09	
18.	LAB23717E	2022.03.16	
19.	LAB23782E	2022.03.01	
20.	LAB24090E	2022.11.14	
21.	LAB24093E	2022.03.16	
22.	2020043	2020.05.13	RS Schwarze Industrie Elektronik GmbH / An der Heller 33, 33758 Schloss Holte- Stukenbrock, Germany
23.	2017013	2017.01.31	
24.	2019160	2020.01.16	
25.	2020044	2020.05.12	
26.	2021137	2021.11.08	BSH / Bernhard-Nocht-Str 78, 20359 Hamburg, Germany
27.	BSH Certificate No. 1083	2021.01.26	