Certificate number: 46990/B2 BV
File number: AP4768
Product code: 4501H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

Weidmüller Interface GmbH & Co. KG

Detmold - GERMANY

for the type of product

PROGRAMMABLE LOGIC CONTROL UNITS

u-control programmable logic controllers / UC20-... series
u-remote I/O-System / UR20-... series

Requirements:
Bureau Veritas Rules for the Classification of Steel Ships
EC Code: 33B

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 30 May 2028

For Bureau Veritas Marine & Offshore,
At BV HAMBURG, on 01 Jun 2026,
Dirk Hoepfner

This certificate was created electronically and is valid without signature

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

The **u-control** and **u-remote** series of automation products are used to assemble u-control and u-remote control stations. A u-control station will consist of an u-control controller connected via the u-remote bus to active and passive u-remote I/O modules installed on a DIN-rail. The **UC20-WL2000** controllers are preinstalled with the u-create web or u-create IoT engineering suites for programming application programs, configuration and parameterization via a web browser. The **UC20-SL2000** controllers are programmed, configured and parameterized with the separate u-create studio suite.
The modular u-remote I/O system supports common fieldbus systems. Interconnected u-remote stations with bus coupler and connected modules are intended for a decentralised control or monitoring systems. Safety related versions for use in safety instrumented systems are available and are transmitting signals via the control station's fieldbus coupler to a safety controller using the black channel communication principle.
The **UR20-** series are DIN rail mounted and comprises of the following modules:

Fieldbus couplers

Order no.	Model	Description	SVN	HVN
1334890000	UR20-FBC-CAN	CANopen	01.10.xx	01.03.xx
1334940000	UR20-FBC-PL	Ethernet POWERLINK	01.10.xx	01.05.xx 01.06.xx
1334910000	UR20-FBC-EC	EtherCAT	02.01.xx	02.04.xx 02.06.xx
2625010000	UR20-FBC-CC	CC-Link	01.02.xx	01.00.xx 01.01.xx
2680260000	UR20-FBC-CC-TSN	CC-Link	01.03.xx	01.01.xx 01.02.xx
2476450000	UR20-FBC-MOD-TCP-V2	Modbus TCP	02.10.xx	01.05.xx 01.06.xx
2661310000	UR20-FBC-IEC61162-450	IEC 61162-450 (LWE)	01.02.xx	01.05.xx 01.06.xx
1334920000	UR20-FBC-EIP	EtherNet/IP	02.13.xx	02.03.xx 02.04.xx
1550550000	UR20-FBC-EIP-V2	EtherNet/IP, redundancy protocol	01.03.xx	01.00.xx 01.01.xx
2566380000	UR20-FBC-PN-IRT-V2	PROFINET IRT	01.13.xx	01.00.xx 01.01.xx
2614380000	UR20-FBC-PB-DP-V2	PROFIBUS DP-V1	01.12.xx	01.00.xx 01.01.xx

Digital I/O modules

Order no.	Model	Description	SVN	HVN
1460140000	UR20-2DI-P-TS	2 digital inputs, P-switching, time stamp function	-	01.30.xx
1315350000	UR20-4DI-N	4 digital inputs, N-switching	-	01.30.xx
1315170000	UR20-4DI-P	4 digital inputs, P-switching	-	01.30.xx
1460150000	UR20-4DI-P-TS	4 digital inputs, P-switching, time stamp function (16 bit)	-	01.30.xx
2792150000	UR20-4DI-P-TS-V2	4 digital inputs, P-switching, time stamp function (32 bit)	-	01.02.xx
1550070000	UR20-4DI-2W-230V-AC	4 digital inputs, 230V	-	01.31.xx
2009360000	UR20-4DI-P-3W	4 digital inputs, P-switching	-	01.30.xx
2464570000	UR20-4DI-4DO-PN-FSPS-V2	4 digital inputs, 4 digital outputs, P-or N-switching; safety related I/O module for connection to a safety controller via PROFIsafe protocol	01.06.xx	01.13.xx/ 01.14.xx
2464580000	UR20-4DI-4DO-PN-FSOE-V2	4 digital inputs, 4 digital outputs, P-or N-switching; safety related I/O module for connection to a safety controller via Fail Safe over EtherCAT protocol	01.00.xx	01.03.xx/ 01.14.xx
1315370000	UR20-8DI-N-3W	8 digital inputs, N-switching	-	01.60.xx
1315180000	UR20-8DI-P-2W	8 digital inputs, P-switching	-	01.10.xx
1394400000	UR20-8DI-P-3W	8 digital inputs, P-switching	-	01.40.xx
1315190000	UR20-8DI-P-3W-HD	8 digital inputs, P-switching	-	01.11.xx
2457240000	UR20-8DI-ISO-2W	8 digital inputs	-	01.02.xx

2464590000	UR20-8DI-PN-FSPS-V2	8 digital inputs, P- or N-switching; safety related I/O module for connection to a safety controller via PROFIsafe protocol	01.00.xx	01.13.xx/ 01.14.xx
2464600000	UR20-8DI-PN-FSOE-V2	8 digital inputs, P- or N-switching; safety related I/O module for connection to a safety controller via Fail Safe over EtherCAT protocol	01.00.xx	01.12.xx/ 01.14.xx
2456530000	UR20-8DIO-P-3W-DIAG	8 digital inputs/outputs. P-switching, diagnostics	01.00.xx	01.10.xx
1315210000	UR20-16DI-P-PLC-INT	16 digital inputs, P-switching, PLC connector	-	01.30.xx
1315400000	UR20-16DI-N-PLC-INT	16 digital inputs, N-switching, PLC connector	-	01.30.xx
1315200000	UR20-16DI-P	16 digital inputs, P-switching	-	01.40.xx
1315390000	UR20-16DI-N	16 digital inputs, N-switching	-	01.40.xx
1315410000	UR20-4DO-N	4 digital outputs, N-switching	-	01.11.xx
1315420000	UR20-4DO-N-2A	4 digital outputs, N-switching	-	01.11.xx
1315220000	UR20-4DO-P	4 digital outputs, P-switching	-	01.31.xx
1315230000	UR20-4DO-P-2A	4 digital outputs, P-switching	-	01.40.xx
2457250000	UR20-4DO-ISO-4A	4 digital outputs	-	01.53.xx

Digital I/O modules (continued)

1509830000	UR20-8DO-P-2W-HD	8 digital outputs, P-switching	-	01.11.xx
1394420000	UR20-4DO-PN-2A	4 digital outputs, P or N-switching	-	01.11.xx
1315430000	UR20-8DO-N	8 digital outputs, N-switching	-	01.21.xx
1315240000	UR20-8DO-P	8 digital outputs, P-switching	-	01.61.xx 01.64.xx
1315250000	UR20-16DO-P	16 digital outputs, P-switching	-	01.92.xx 01.95.xx
1315440000	UR20-16DO-N	16 digital outputs, N-switching	-	01.21.xx 01.23.xx
1315270000	UR20-16DO-P-PLC-INT	16 digital outputs, P-switching, PLC connector	-	01.41.xx
1315450000	UR20-16DO-N-PLC-INT	16 digital outputs, N-switching, PLC connector	-	01.21.xx
2742570000	UR20-4DI-4DO-PN-FSCC	4 digital inputs, 4 digital outputs, P- or N-switching, safety module, CC-Link.	01.01.xx	01.20.xx
2742580000	UR20-8DI-PN-FSCC	8 digital inputs, P- or N-switching, safety module,	01.01.xx	01.20.xx

Analogue I/O modules

Order no.	Model	Description	SVN	HVN
2705620000	UR20-2AI-UI-16	2 analogue inputs, 24 bit	01.02.xx	01.20.xx
2566090000	UR20-2AI-UI-16-DIAG	2 analogue inputs, 24 bit, diagnostics	01.00.xx	01.40.xx
2617520000	UR20-4AI-I-HART-16-DIAG	4 analogue inputs	01.00.xx	01.40.xx
1394390000	UR20-4AI-UI-12	4 analogue inputs	01.02.xx	01.40.xx
1315620000	UR20-4AI-UI-16	4 analogue inputs, 16 bit	01.02.xx	01.40.xx
1506920000	UR20-4AI-UI-16-HD	4 analogue inputs, 16 bit, separate connector	01.02.xx	01.10.xx
1315690000	UR20-4AI-UI-16-DIAG	4 analogue inputs, 16 bit, diagnostics	01.02.xx	01.40.xx
1506910000	UR20-4AI-UI-16-DIAG-HD	4 analogue inputs, 16 bit, diagnostics, separate connector	01.02.xx	01.10.xx
1993880000	UR20-4AI-UI-DIF-16-DIAG	4 analogue inputs, 16 bit, diagnostics	01.05.xx	01.30.xx
2544660000	UR20-4AI-UI-DIF-32-DIAG	4 analogue inputs, 32 bit, diagnostics	01.01.xx	01.30.xx
1315700000	UR20-4AI-RTD-DIAG	4 temperature sensors, 16 bit, diagnostics	01.00.xx	01.30.xx
2456540000	UR20-4AI-RTD-HP-DIAG	4 temperature sensors, 16 bit, high-precision, diagnostics	01.00.xx	01.30.xx
1315710000	UR20-4AI-TC-DIAG	4 temperature sensors, 16 bit, diagnostics	01.00.xx	01.30.xx

2566960000	UR20-4AI-UI-ISO-16-DIAG	4 analogue inputs, 16 bit, diagnostics	01.01.xx	00.60.xx
2001670000	UR20-4AI-R-HS-16-DIAG	4 analogue inputs, 16 bit, diagnostics	01.00.xx	01.10.xx
1315650000	UR20-8AI-I-16-HD	8 analogue inputs, 16 bit, separate connector	01.02.xx	01.10.xx
1315720000	UR20-8AI-I-16-DIAG-HD	8 analogue inputs, 16 bit, diagnostics, separate connector	01.02.xx	01.10.xx
1315670000	UR20-8AI-I-PLC-INT	8 analogue inputs, 16 bit, PLC interface unit	01.02.xx	01.20.xx
2705630000	UR20-2AO-UI-16	2 analogue outputs, 16 bit	01.03.xx	01.31.xx
2566100000	UR20-2AO-UI-16-DIAG	2 analogue outputs, 16 bit, diagnostics	01.03.xx	01.31.xx
2566970000	UR20-2AO-UI-ISO-16-DIAG	2 analogue outputs, 16 bit, diagnostics, isolated outputs	01.00.xx	01.10.xx
1315680000	UR20-4AO-UI-16	4 analogue outputs, 16 bit	01.03.xx	01.31.xx
1315730000	UR20-4AO-UI-16-DIAG	4 analogue outputs, 16 bit, diagnostics	01.03.xx	01.31.xx
2453880000	UR20-4AO-UI-16-M	4 analogue outputs, 16 bit	01.03.xx	01.10.xx
2453870000	UR20-4AO-UI-16-M-DIAG	4 analogue outputs, 16 bit, diagnostics	01.03.xx	01.10.xx
1315700000	UR20-8AI-RTD-DIAG-2W	8 analogue temperature sensors, 16 bit, diagnostics	01.00.xx	01.30.xx
2828350000	UR20-4AI-I-HART-ISO-16	4 analog inputs	01.00.xx	01.00.xx

Auxiliary modules

Order no.	Model	Description	SVN	HVN
1334770000	UR20-16AUX-I	Potential distribution, 16 connections, input path	-	01.02.xx
1334780000	UR20-16AUX-O	Potential distribution, 16 connections, output path	-	01.01.xx
1334800000	UR20-16AUX-GND-I	Potential distribution, 16 connections, input path	-	01.02.xx
1334810000	UR20-16AUX-GND-O	Potential distribution, 16 connections, output path	-	01.02.xx
1334790000	UR20-16AUX-FE	Potential distribution, 16 connections, functional earth	-	01.02.xx
1315770000	UR20-ES	Empty slot as reserve module	-	01.00.xx

Digital modules

Order no.	Model	Description	SVN	HVN
1315550000	UR20-4RO-CO-255	4 digital relay outputs	-	01.21.xx
1315540000	UR20-4RO-SSR-255	4 digital outputs, semiconductor	-	01.31.xx
1315570000	UR20-1CNT-100-1DO	1 channel, counter, 100kHz	-	01.01.xx
1315580000	UR20-1CNT-500	1 channel, counter, 500kHz	-	01.11.xx
1315590000	UR20-2CNT-100	2 channel, counter, 100kHz	-	01.02.xx
1508080000	UR20-2FCNT-100	2 channel, frequency counter, 100kHz	-	01.02.xx

Interface modules

Order no.	Model	Description	SVN	HVN
1315750000	UR20-1COM-232-485-422	1 serial interface, 115200 bps	01.00.xx	01.20.xx
2826800000	UR20-1COM-232-485-422-V2	1 serial interface, 230400 bps	01.00.xx	01.00.xx
2489840000	UR20-1COM-CANOPEN	1 CANopen interface, 10~1000kbps	01.00.xx	01.20.xx
3040800000	UR20-1COM-CAN	Can Interface	01.00.xx	01.20.xx
2007430000	UR20-1COM-SAI-PRO	1 SAI Active Universal interface, 250 kbps	01.02.xx	01.20.xx
1508090000	UR20-1SSI	1 SSI encoder	-	01.11.xx
1315600000	UR20-2PWM-PN-0.5A	2x 0.5A pulse-width-modulation outputs PN or P switching	-	01.11.xx
1315610000	UR20-2PWM-PN-2A	2x 2A pulse-width-modulation outputs PN or P switching	-	01.11.xx

Power feed modules

Order no.	Model	Description	SVN	HVN
1334710000	UR20-PF-I	For input current path	-	01.31.xx
1334740000	UR20-PF-O	For output current path	-	01.31.xx

Power measurement module (I/O)

Order no.	Model	Description	SVN	HVN
2920860000	UR20-3EM-400V-AC-333MV	Power measurement for 1 or 3 phases	01.00.xx	01.02.xx
2920840000	UR20-3EM-400V-AC-CT5A	Power measurement for 1 or 3 phases	01.00.xx	01.02.xx
2920830000	UR20-3EM-400V-AC-CT1A	Power measurement for 1 or 3 phases	01.00.xx	01.02.xx

The **UC20-** series of controllers comprises of the following modules:

Order no.	Model	Description	SVN	HVN
2674520000	UC20-SL2000-EC	Interfaces: 2xEthernet TCP/IP; 1xMicro USB Memory: 4GB Flash; EtherCAT field bus protocol	1.20.xx	01.23.xx
2674620000	UC20-SL2000-EC-CAN	Interfaces: 2xEthernet TCP/IP; 1xMicro USB; 1xCAN Memory: 4GB Flash; EtherCAT and CANopen field bus protocol	1.20.xx	01.23.xx
1334950000	UC20-WL2000-AC	Interfaces: 2xEthernet TCP/IP; 1xMicro USB Memory: 4GB Flash; Preinstalled u-create web	01.10.xx	01.23.xx
2564970000	UC20-WL2000-AC-CAN	Interfaces: 2x Ethernet TCP/IP; 1xMicro USB; 1xCAN Memory: 4GB Flash; Preinstalled u-create web	01.10.xx	01.23.xx
1334990000	UC20-WL2000-IOT	Interfaces: 2xEthernet TCP/IP; 1xMicro USB Memory: 4GB Flash; Preinstalled u-create IoT	1.20.xx	01.23.xx
2708400000	UC20-SL2000-AC-EC	Interfaces: 2x Ethernet TCP/IP; 1xMicro USB Memory: 4GB Flash; EtherCAT field bus protocol Automation Control runtime licence	1.20.xx	01.23.xx
2655600000	UC20-SL2000-AC-EC-CAN	Interfaces: 2x Ethernet TCP/IP: 1x Micro USB Memory: 4GB Flash; EtherCAT and CANopen field bus protocol; Automation Control runtime licence	1.20.xx	01.23.xx
2638920000	UC20-SL2000-OLAC-EC	Interfaces: 2x Ethernet TCP/IP; 1xMicro USB Memory: 4GB Flash; EtherCAT fieldbus protocol Open Linux + Automation Control runtime licence	1.20.xx	01.23.xx
2655590000	UC20-SL2000-OLAC-EC-CAN	Interfaces: 2xEthernet TCP/IP; 1xMicro USB Memory: 4GB Flash; EtherCAT and CANopen field bus protocol; Open Linux + Automation Control runtime licence	1.20.xx	01.23.xx

HVN: Hardware Version Number SVN: Software Version Number

Main characteristics:

Power supply:	24VDC nominal voltage
Degree of protection:	IP20
Pollution degree	2

2. DOCUMENTS AND DRAWINGS:

For A1 version:
- Manuals: 260408000 revision 03/August 2020; 2604080000 revision 05/December 2020 DRAFT; 1432790000 revision 20/April 2020
- Datasheet: 2729220000/00 dated 10.2020
- Laboratory test plans: LPP 2020-02-25 revision 5 dated 2020-02-21; LPP 2020-01-28 revision 4 dated 2020-01-28;
- Assembly drawings: 3 66419 issue 00 dated 02.08.2018; 63785 issue 3 dated 08.04.2019; 63775 issue 2 dated 06.05.2020

Schematics: 62655 issue 4 dated 05.05.2019; 63785 issue 4 dated 08.04.2019; 63775 issue 2 dated 06.05.2020; 3 62640 issue 2 dated 15.03.2016; 3 66975 issue 1 dated 04.07.2018; 69978 issue 1 dated 13.03.2020; 3 62640 issue 2 dated 30.01.2018; 3 61002 issue 2 dated 30.01.2018
- Part Lists: 62655 issue 4 dated 06.05.2019; 63785 issue 4 dated 08.04.2019; 63775 issue 2 dated 06.05.2020; 6620 issue 0 dated 16.07.2019; 62640 issue 2 dated 15.03.2016; 4 66975 issue 1 dated 04.07.2018; 69978 issue 1 dated 13.03.2020; 62640 issue 2 dated 15.03.2018; 4 61002 issue 2 dated 30.01.2018
- Software Quality Plan: Process description - Integrated Management System (IMS) Software Quality Assurance Process Nr.: P_C12_132_PD version 01 dated 04/09/18;

For A2 version:
-Manuals: 1432790000 revision 23/March 2021; 1484600000 revision 07/November 2020
- Assembly drawings: 3 54243 issue 03 dated 14.07.2017; 3 60749 issue 3 dated 08.07.2015; 3 60746 issue 3 dated 08.07.2015; 4 60720 issue 5 dated 21.06.2017; 4 62610 issue 1 dated 04.07.2018; 4 66975 issue 1 dated 04.07.2018;
- Schematics: 3 60749 issue 3 dated 08/07/2015; 3 60746 issue 3 dated 08.07.2015; 3 60720 issue 5 dated 21.06.2017; 3 62610 issue 1 dated 04.07.2018; 3 66975 issue 1 dated 04.07.2018
- Part Lists: 4 60749 issue 3 dated 08.07.2015; 4 60746 issue 3 dated 08.07.2015; 4 60720 issue 5 dated 21.06.2017; 4 62610 issue 1 dated 04.07.2018; 4 66975 issue 1 dated 04.07.2018
- Functional Safety Type-examination certificate: TÜV NORD CERT GmbH: 44 205 13773711 dated 2020-10-13

For A3 version:
- Manuals: 1432790000 revision 26/December 2022
- Documents: Technische Beurteilung UR20-2PWM-PN dated 2022-04-26; Analogy for NOTOS test DUT1; Analogy for NOTOS test DUT2a; UR20_CIA_UR20-FS_Platform
- Laboratory test plan: LPP 2021-10-18;
- Assembly drawings: 55011 issue 5; 75775 issue 0 dated 01.02.2022; 73423 issue 0 dated 02.11.2020; 70401 issue 1 dated 11.12.2019; 3 54996 issue 05 dated 23.06.2017; 3 54150 issue 06 dated 28.07.2017; 54162 issue 4 dated 04.09.2020; 3 54163 issue 06 dated 20.06.2017; 3 54997 issue 07 dated 22.08.2017; 3 54998 issue 06 dated 28.07.2017; 62358 issue 4 dated 04.09.2020; 3 54170 issue 03 dated 01.06.2017; 3 54224 issue 02 dated 01.06.2017; 3 54207 issue 06 dated 21.06.2017; 55027 issue 3 dated 11.12.2019; 3 54151 issue 05 dated 14.06.2017; 75776 issue 0 dated 01.02.2022; 65725 issue 2 dated 02.06.2021; 3 54229 issue 03 dated 16.06.2017; 3 54230 issue 03 dated 14.06.2017; 3 54212 issue 06 dated 20.06.2017; 54213 issue 6 dated 17.09.2021; 354141 issue 04 dated 14.06.2017; 3 54993 issue 07 dated 23.06.2017; 3 54992 issue 06 dated 23.06.2017; 3 65729 issue 01 dated 16.04.2018; 3 54225 issue 03 dated 14.06.2017; 66417 issue 1 dated 22.09.2022; 54208 issue 6 dated 17.09.2021; 54140 issue 9 dated 05.10.2021; 3 54209 issue 04 dated 14.07.2017; 3 54231 issue 03 dated 20.06.2017; 54214 issue 8 dated 17.09.2021; 3 54158 issue 2 dated 17.10.2017; 3 55013 issue 07 dated 23.06.2017; 3 55016 issue 07 dated 21.06.2017; 54227 issue 6 dated 17.09.2021; 54228 issue 5; 54210 issue 9; 54211 issue 9; 54232 issue 7; 54233 issue 5; 54215 issue 9 dated 17.09.2021; 54216 issue 9; 3 54994 issue 06 dated 23.06.2017; 54995 issue 4 dated 22.09.2022; 54164 issue 4 dated 22.09.2022; 62334 issue 2 dated 22.09.2022; 62332 issue 3 dated 22.09.2022; 62333 issue 2 dated 22.09.2022; 62331 issue 3 dated 22.09.2022; 54266 issue 9 dated 27.03.2020; 54264 issue 4 dated 27.03.2020; 69152 issue 3 dated 10.03.2020; 70337 issue 3 dated 09.02.2021; 54267 issue 5 dated 20.10.2020; 73491 issue 0 dated 18.10.2020; 69465 issue 4 dated 20.10.2020; 62340 issue 5 dated 27.03.2020; 67504 issue 5 dated 03.06.2020; 62318 issue 4 dated 27.03.2020; 55131 issue 2 dated 30.03.2020; 3 55021 issue 6 dated 31.07.2017; 3 55022 issue 6 dated 28.06.2017; 3 55023 issue 6 dated 28.06.2017; 3 55019 issue 6 dated 28.06.2017; 3 55020 issue 6 dated 28.06.2017; 3 55012 issue 6 dated 22.06.2017; 71161 issue 3; 55126 issue 3; 73776 issue 1 dated 22.09.2022; 73775 issue 1 dated 22.09.2022; 70403 issue 3 dated 22.09.2022; 55117 issue 4 dated 22.09.2022; 55006 issue 9; 65654 issue 4 dated 22.09.2022; 55007 issue 9; 54143 issue 7; 54999 issue 9; 54160 issue 4 dated 22.09.2022; 54161 issue 5; 54159 issue 5; 62319 issue 4 dated 22.09.2022; 65730 issue 3 dated 22.09.2022; 55008 issue 3; 70402 issue 3 dated 22.09.2022; 55002 issue 3; 55003 issue 10; 66418 issue 4 dated 22.09.2022
- Schematics / Part Lists: 60787 issue 5 dated 06.10.2020; 47331 issue 1 dated 03.08.2021; 60750 issue 5 dated 21.09.2020; 69732 issue 1 dated 03.02.2022; 60716 issue 2 dated 31.08.2021; 60782 issue 2 dated 12.01.2021; 60717 issue 3 dated 19.01.2021; 60718 issue 4 dated 24.08.2021; 62650 issue 1 dated 22.07.2021; 60077 issue 2 dated 17.09.2020; 60754 issue 1 dated 12.01.2021; 61250 issue 2 dated 17.09.2020; 60758 issue 2 dated 12.01.2021; 62638 issue 8 dated 10.11.2020; 60798 issue 2 dated 07.10.2020; 60764 issue 2 dated 07.10.2020; 60723 issue 3 dated 09.06.2021; 60725 issue 4 dated 23.03.2021; 60766 issue 2 dated 07.10.2020; 60737 issue 3 dated 07.10.2020; 60736 issue 2 dated 07.10.2020; 62641 issue 1 dated 23.11.2020; 60733 issue 6 dated 16.09.2021; 62647 issue 1 dated 19.04.2021; 60731 issue 2 dated 29.10.2020; 60732 issue 4 dated 25.11.2020; 60801 issue 1 dated 04.11.2020; 60792 issue 3 dated 07.10.2020; 66239 issue 4 dated 31.08.2021; 60813 issue 1 dated 15.12.2020; 60734 issue 3 dated 31.08.2021; 60735 issue 3 dated 31.08.2021; 76147 issue 0 dated 09.12.2021; 60761 issue 3 dated 18.11.2020; 76146 issue 2 dated 01.03.2022; 60722 issue 2 dated 18.11.2020; 60800 issue 4 dated 28.06.2021; 60799 issue 4 dated 29.06.2021; 66240 issue 6 dated 10.12.2021; 60753 issue 8 dated 28.06.2021; 60729 issue 2 dated 31.08.2021; 60738 issue 1 dated 08.10.2020; 60804 issue 1 dated 08.10.2020; 72539 issue 4 dated 14.01.2022; 74618 issue 4 dated 14.01.2022; 72618 issue 4 dated 14.01.2022; 59294 issue 2 dated 08.08.2016;
62639 issue 3 dated 05.09.2017; 75604 issue 1 dated 12.01.2022; 68911 issue 1 dated 11.01.2022; 60757 issue 0 dated 03.12.2014; 60743 issue 0 dated 03.12.2014; 60744 issue 0 dated 03.12.2014; 60755 issue 0 dated 03.12.2014; 55831 issue 3 dated 26.11.2013; 56118 issue 1 dated 02.05.2013; 66220 issue 2; 61247 issue 4 dated 02.11.2020; 65114 issue 3 dated 03.12.2020; 68005 issue 3 dated 02.10.2020; 62139 issue 4 dated 23.02.2021; 60751 issue 4 dated 18.02.2021; 65093 issue 3 dated 18.02.2021; 60719 issue 4 dated 18.02.2021; 65115 issue 3 dated 03.12.2020; 60793 issue 1 dated 11.01.2021; 60794 issue 1 dated 11.01.2021; 61244 issue 4 dated 03.08.2022; 60781 issue 1 dated 15.01.2021; 67904 issue 2 dated 08.02.2021; 60741 issue 1 dated 29.01.2021; 66260 issue 1 dated 18.02.2021

For B1 version:
- Documents: D1375976 dated 21.06.2022
- Datasheet: LPP2023-06-20
- Assembly drawings: 54214 issue 9; 78315 issue 3 dated: 09.08.2023; 54232 issue 7; 78460 issue 3 dated: 15.08.2023; 54215 issue 10; 77905 issue 2 dated: 09.08.2023
- Schematics: 78315 issue 3 dated: 09.08.2023; 78460 issue 3 dated: 15.08.2023; 77905 issue 2 dated: 09.08.2023
- Part Lists: 78315 issue 3 dated: 09.08.2023; 78460 issue 3 dated: 15.08.2023; 77905 issue 2 dated: 09.08.2023

For B2 version:
- Datasheet: 2920860000_en dated 05.08.202; ; 2920830000_en dated 23.07.2025; 2920840000_en dated 09.08.2025; 2828350000_en dated 23.07.2025; 2742570000_en dated 04.08.202; 2742580000_en dated 06.08.2025; UR20-1COM-CAN 3040800000_en dated 04.08.2025; UR20-1COM-CANOPEN 2489840000_en dated 04.07.2025
- Assembly drawings: 77876_02 dated 20.02.2025; 77876_03 dated 20.02.2025; 77873_02 dated 20.02.2025; 77873_03 dated 20.02.2025; 77874_02 dated 20.02.2025; 77874_03 dated 20.02.2025; 74818_02 dated 18.04.2022; 74818_03 dated 18.04.2022; 75294_02 dated 13.02.2024; 75294_03 dated 13.02.2024; 75295_02 dated 13.02.2024; 75295_03 dated 13.02.2024
- Schematics: 77876_04-08 dated 20.02.2025; 75295_04-11 dated 13.02.2024; 77873_04-08 dated 20.02.2025; 77874_04-08 dated 20.02.2025; 74818_04-11 dated 18.04.2022; 75294_04-12 dated 13.02.2024;
- Part Lists: 77876_09-10 dated 20.02.2025; 75294_13-15 dated 13.02.2024; 74818_12-14 dated 18.04.2022; 77874_09-10 dated 20.02.2025; 77873_09-10 dated 20.02.2025; 75295_12-14 dated 13.02.2024

3. TEST REPORTS:
- Weidmüller: LAB20808E dated 2017-01-04; LAB20807E dated 2017-01-04; LAB20772E dated 2016-12-21; LAB21033E dated 2017-05-09; LAB20841E dated 2017-04-06; LAB21232E dated 2017-07-12; LAB21221E dated 2017-08-22; LAB21222E dated 2017-08-22; LAB21507E dated 2018-02-14; LAB21546E dated 2018-02-09
- RS Schwarze: 2016142a dated 10.11.2016 (LAB20776E); 2016142c dated 14.11.2016 (LAB20778E); 2017013 dated 31.01.2017 (LAB20987E); 2017074 dated 08.06.2017 (LAB21109E); 2018010 dated 06.02.2018 (LAB21552E)

For A1 version:
- Weidmüller Central Laboratory: LAB22790E dated 2020-05-06; LAB23060E dated 2020-11-03; LAB22778E dated 2020-09-08; LAB22869E dated 2020-09-09; LAB22524E dated 2019-11-04; LAB22539E dated 2019-09-20; LAB23001E dated 2020-10-05; LAB22997E dated 2020-10-05
- RS Schwarze: 2020043 dated 13.05.2020; 2020044 dated 12.05.2020; 2019091 dated 27.09.2019; 2019143 dated 27.09.2019; 2020101 dated 05.10.2020

For A2 version:
- Weidmüller Central Laboratory: LAB22416E dated 2019-10-14; LAB22533E dated 2020-02-10
- RS Schwarze: 2019160 dated 16.01.2020
- TÜV NORD CERT GmbH: 3513 3273/35167236 dated 2015-09-17; 35273371/35277946 dated 2020-09-29

For A3 version:
- Weidmüller Central Laboratory: LAB23782E dated 2022-03-01; LAB23717E dated 2022-03-16; LAB24090E dated 2022-11-14; LAB24093E dated 2022-03-16; LAB24027E dated 2022-01-28; LAB24026E dated 2022-10-28; LAB24111E dated 2022-11-28; LAB20816E dated 2017-02-08;
- RS Schwarze: 2021137 (LAB23718E) dated 08.11.2021; 2022125 (LAB24025E) dated 27.09.2022

For B1 version:
- Weidmüller Central Laboratory: LAB24611E date: 2023-09-26; LAB24801E date: 2024-03-05

For B2 version:
- Weidmüller Central Laboratory: LAB25429E dated: 2025-06-03; LAB25546E dated 2025-09-08

4. APPLICATION / LIMITATION:
4.1 - Bureau Veritas Rules for the Classification of Steel Ships
4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
4.3 - Bureau Veritas Environmental Category, **EC Code: 33B**
4.4 - In accordance with IACS UR E22 and as applicable to programmable devices for computer based systems of Category II or III, for each ship application:
- ship specific documentation is to be submitted including software documentation and categorization of the computer based system.
- Inspection and testing before installation onboard is to be performed under the surveillance of the Society.

4.5 - Only Hardware and Software successfully tested together in compliance with the Rules as referred to in page one, according to the declaration of the manufacturer is covered by this certificate.
4.6 - Ex-certification is not covered by this certificate. Applications in hazardous areas are to be approved in each case according to the Rules and Conditions for Safe Use specified in a valid Ex-Certificate issued by a Notified Body.
4.7 - Suppliers using the safety related I/O modules in safety related applications shall comply with the latest version of the equipment manual, the u-remote functional safety manual and the requirements for safe use in the latest functional safety certificate and associated report.

4.8 - Equipment is not to be installed in the vicinity of the standard or steering magnetic compass. Separation with 5m relative distance to either compass is to be maintained.
4.9 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev. 10.

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above products are to be supplied by **Weidmüller Interface GmbH & Co. KG** in compliance with the type described in this certificate.
5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
5.3 - **Weidmüller Interface GmbH & Co. KG** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.
5.4 - For information, **Weidmüller Interface GmbH & Co. KG** has declared to Bureau Veritas the following production site**s**:

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
32758 Detmold
GERMANY

S C ZES Zollner Electronic S.R.L
Parc Industrial Sud Nr. 10
440247 Satu Mare
ROMANIA

6. MARKING OF PRODUCT:

- Maker's name or trademark
- Date of manufacture and/or serial number
- Equipment type or model identification under which it was type-tested.
- For each application title and version of each software element included in the installed software system shall be either marked on the equipment or displayed on a panel on command.

7. OTHERS:

7.1 - It is the responsibility of **Weidmüller Interface GmbH & Co. KG** to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
7.2 - This certificate supersedes the Type Approval Certificate N° 46990/B1 BV issued on 01 Jul 2025 by the Society.

***** END OF CERTIFICATE *****