



## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>Weidmueller Interface GmbH &amp; Co. KG</b>
<b>Address</b>	Klingenbergstr. 26, Detmold, 32758, Germany
<b>Type</b>	Control Systems
<b>Description</b>	U-Remote I/O System / U-Control  Refer to the Appendix for further details.
<b>Trade Name</b>	UR20-Series / UC20-Series
<b>Application</b>	Marine, offshore and industrial application for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1, 2021.
<b>Specified Standard</b>	IACS unified requirements E10 (Rev.8 Feb 2021) IEC 61010-1:2010-06 + COR. 1:2011-05 + COR. 2:2013-10 + AMD 1:2016-12 + AMD 1:2016/COR 1:2019-03 IEC 61010-2-201:2017-03
<b>Ratings</b>	Power supply voltage: 24VDC
<b>Additional Tests</b>	Low temperature (-25°C/16h)
<b>Other Conditions</b>	Digital PWM output modules UR20-2PWM-PN are to be supplied by a marine

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approved power supply unit if fitted in the deck/bridge area to meet the limits of radiated emission.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document HPC2162045-23/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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## Appendix

### TYPES

#### Digital Input Modules

UR20-4DI-P  
UR20-4DI-P-3W  
UR20-8DI-P-2W  
UR20-8DI-P-3W  
UR20-8DI-P-3W-HD  
UR20-16DI-P  
UR20-16DI-P-PLC-INT  
UR20-2DI-P-TS  
UR20-4DI-P-TS  
UR20-4DI-P-TS-V2  
UR20-4DI-N  
UR20-8DI-N-3W  
UR20-16DI-N  
UR20-16DI-N-PLC-INT  
UR20-4DI-2W-230V-AC  
UR20-8DI-ISO-2W

#### Digital Output Modules

UR20-4DO-P  
UR20-4DO-P-2A  
UR20-4DO-PN-2A  
UR20-8DO-P  
UR20-8DO-P-2W-HD  
UR20-16DO-P  
UR20-16DO-P-PLC-INT  
UR20-4DO-N  
UR20-4DO-N-2A  
UR20-8DO-N  
UR20-16DO-N  
UR20-16DO-N-PLC-INT  
UR20-4DO-ISO-4A  
UR20-4RO-SSR-255  
UR20-4RO-CO-255

#### Digital Input and Output Modules

UR20-8DIO-P-3W-DIAG

#### Digital Pulse Width Modulation Modules

UR20-2PWM-PN-0.5A

UR20-2PWM-PN-2A

#### Analogue Input Modules

UR20-2AI-UI-16

UR20-2AI-UI-16-DIAG

UR20-4AI-UI-16

UR20-4AI-UI-16-DIAG

UR20-4AI-UI-DIF-16-DIAG

UR20-4AI-UI-DIF-32-DIAG

UR20-4AI-UI-ISO-16-DIAG

UR20-4AI-UI-16-HD

UR20-4AI-UI-16-DIAG-HD

UR20-4AI-UI-12

UR20-8AI-I-16-HD

UR20-8AI-I-16-DIAG-HD

UR20-8AI-I-PLC-INT

UR20-4AI-RTD-DIAG

UR20-4AI-RTD-HP-DIAG

UR20-4AI-TC-DIAG

UR20-4AI-R-HS-16-DIAG

UR20-4AI-I-HART-16-DIAG

UR20-8AI-RTD-DIAG-2W

#### Analog Output Modules

UR20-2AO-UI-16

UR20-2AO-UI-16-DIAG

UR20-2AO-UI-ISO-16-DIAG

UR20-4AO-UI-16

UR20-4AO-UI-16-M

UR20-4AO-UI-16-DIAG

UR20-4AO-UI-16-M-DIAG

#### Digital counter modules

UR20-1CNT-100-1DO

UR20-2CNT-100

UR20-1CNT-500  
 UR20-2FCNT-100

#### Communication Modules

UR20-1SSI  
 UR20-1COM-232-485-422  
 UR20-1COM-232-485-422-V2  
 UR20-1COM-SAI-PRO  
 UR20-1COM-CANOPEN

#### Safe I/O Modules

UR20-4DI-4DO-PN-FSOE-V2  
 UR20-8DI-PN-FSOE-V2  
 UR20-4DI-4DO-PN-FSPS-V2  
 UR20-8DI-PN-FSPS-V2

#### Coupler

UR20-FBC-EC  
 UR20-FBC-CAN  
 UR20-FBC-CC  
 UR20-FBC-CC-TSN  
 UR20-FBC-EIP  
 UR20-FBC-EIP-V2  
 UR20-FBC-IEC61162-450  
 UR20-FBC-MOD-TCP-V2  
 UR20-FBC-PB-DP-V2  
 UR20-FBC-PL  
 UR20-FBC-PN-IRT-V2

#### Accessories

UR20-PF-I  
 UR20-PF-O  
 UR20-ES  
 UR20-16AUX-I  
 UR20-16AUX-O  
 UR20-16AUX-FE  
 UR20-16AUX-GND-I  
 UR20-16AUX-GND-O



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U-Control  
UC20-WL2000-AC  
UC20-SL2000-EC  
UC20-SL2000-AC-EC  
UC20-SL2000-OLAC-EC  
UC20-SL2000-EC-CAN  
UC20-SL2000-AC-EC-CAN  
UC20-SL2000-OLAC-EC-CAN  
UC20-SL2000-AC  
UC20-WL2000-IOT