



Lloyd's  
Register

## 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.*

This certificate supersedes certificate number 17/20012 (E2) issued on 23.08.2017 which is hereby cancelled.

This certificate is issued to:

**PRODUCER** Weidmüller Interface GmbH & Co. KG  
Klingenbergstr. 16  
32758 Detmold  
Germany

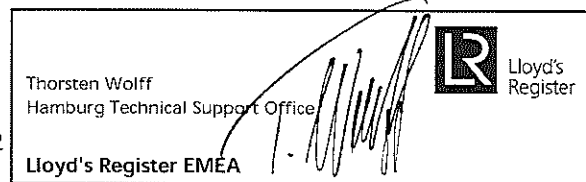
**DESCRIPTION** U- Remote I/O System

**TYPE** Fieldbus couplers:  
UR20-FBC-CAN  
UR20-FBC-PL  
UR20-FBC-EC  
UR20-FBC-MOD-TCP-V2  
UR20-FBC-EIP  
UR20-FBC-PN-IRT  
UR20-FBC-PB-DP

Communication modules  
UR20-1COM-232-485-422

Digital input modules:  
UR20-2DI-P-TS  
UR20-4DI-N  
UR20-4DI-P  
UR20-4DI-P-TS  
UR20-4DI-P-3W  
UR20-4DI-2W-230V-AC

**Certificate No.** 17/20012 (E3)  
**Issue Date** 16 May 2018  
**Expiry Date** 07 February 2022  
**Sheet** 1 of 4



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Hamburg Technical Support Office  
Lloyd's Register EMEA

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**TYPE (continues)**

UR20-8DI-N-3W  
UR20-8DI-P-2W  
UR20-8DI-P-3W  
UR20-8DI-P-3W-HD  
UR20-16DI-N-PLC-INT  
UR20-16DI-N  
UR20-16DI-P  
UR20-16DI-P-PLC-INT

Digital output modules:

UR20-4DO-N  
UR20-4DO-N-2A  
UR20-4DO-P  
UR20-4DO-P-2A  
UR20-4DO-PN-2A  
UR20-8DO-N  
UR20-8DO-P  
UR20-8DO-P-2W-HD  
UR20-16DO-P  
UR20-16DO-N-PLC-INT  
UR20-16DO-N  
UR20-16DO-P-PLC-INT

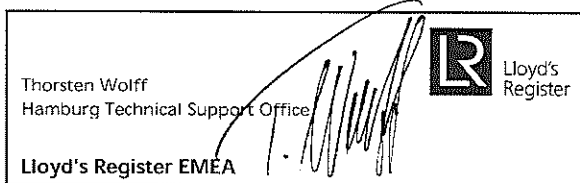
Analogue input modules:

UR20-4AI-RTD-DIAG  
UR20-4AI-TC-DIAG  
UR20-2AI-SG-24-DIAG  
UR20-4AI-UI-12  
UR20-4AI-UI-16  
UR20-4AI-UI-16-DIAG  
UR20-4AI-UI-DIF-16-DIAG

Analogue output modules:

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

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**TYPE (continues)**

Potential distribution modules for input/ output cur:  
UR20-16AUX-I  
UR20-16AUX-O  
UR20-16AUX-GND-I  
UR20-16AUX-GND-O

Potential distribution module for functional earth  
UR20-16AUX-FE  
Power measurement module  
UR20-3EM-230V-AC

Digital relay output module:  
UR20-4RO-CO-255

Digital output module (semiconductor switch):  
UR20-4RO-SSR-255

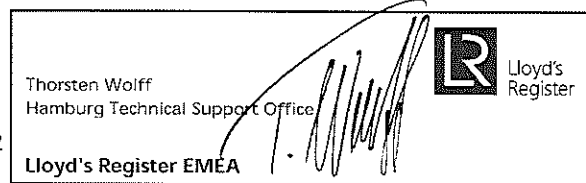
Digital counter modules:  
UR20-2CNT-100  
UR20-1CNT-100-1DO  
UR20-1CNT-500  
UR20-2FCNT-100

Power-feed modules:  
UR20-PF-I  
UR20-PF-O

Digital interface module:  
UR20-1SSI

Empty slot module:  
UR20-ES

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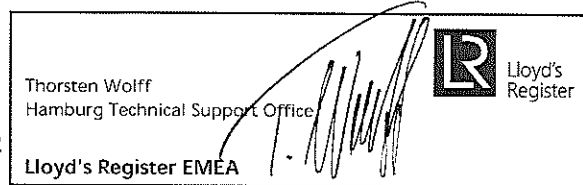
<b>APPLICATION</b>	Marine, offshore and industrial application for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1, July 2015.
<b>ADDITIONAL TESTS</b>	Low temperature test: -25°C ±2°C / 16h
<b>STANDARD</b>	Manufacturer's specification IEC 60945: 2008 Corr. 1, Edition 4.0 only Sec. 4.5.2 and Sec. 11.2
<b>RATINGS</b>	Power supply voltage: 24V DC
<b>PLACE OF PRODUCTION</b>	Weidmüller Interface GmbH & Co. KG Klingenbergstr. 16 32758 Detmold Germany

*The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The Design Appraisal Document No. HTS/ETS 36903-18 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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