



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

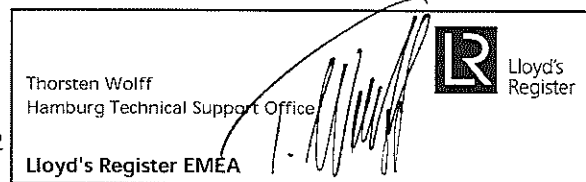
DESCRIPTION U- Remote I/O System

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



Thorsten Wolff
Hamburg Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
71 Fenchurch Street, London EC3M 4BS

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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

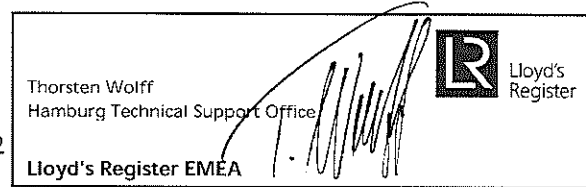
Analogue input modules:

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:

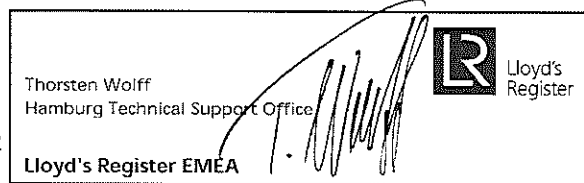
- UR20-ES

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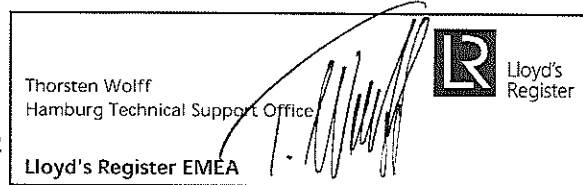
APPLICATION	Marine, offshore and industrial application for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1, July 2015.
ADDITIONAL TESTS	Low temperature test: -25°C ±2°C / 16h
STANDARD	Manufacturer's specification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