




TYPE APPROVAL CERTIFICATE
No. **ELE221019XG**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Automation terminals
<i>Type</i>	u-remote
<i>Applicant</i>	WEIDMUELLER INTERFACE GMBH & CO. KG KLINGENBERGSTRASSE 16 32758 Detmold GERMANY
<i>Manufacturer</i>	WEIDMUELLER INTERFACE GMBH & CO. KG
<i>Place of manufacture</i>	KLINGENBERGSTRASSE 16 32758 Detmold GERMANY
<i>Reference standards</i>	Rules for the Classification of Ships - Part C - Machinery, Systems and fire protection - Ch.3, Sect.6, Tab.1.

Issued in **HAMBURG** on **September 30, 2019**. This Certificate is valid until **September 29, 2024**


RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

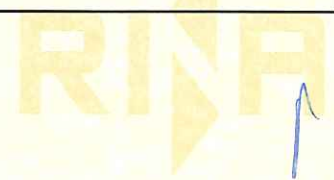


TYPE APPROVAL CERTIFICATENo. **ELE221019XG****Enclosure - Page 1 of 3****u-remote****Product description:**

The u-remote I/O series are devices for use in industrial automation, intended for the decentralized control of systems or sub-system

Components:

Order No.	Type	Description
Fieldbus couplers:		
1334890000	UR20-FBC-CAN	CANopen; 9-pole SUB-D plug; 1Mbit/s
1334910000	UR20-FBC-EC	EtherCAT; 2x RJ45; 100Mbit/s
1334920000	UR20-FBC-EIP	EtherNet/IP; 2x RJ45; 100Mbit/s
2476450000	UR20-FBC-MOD-TCP-V2	Modbus; 2x RJ45; 100Mbit/s
1334870000	UR20-FBC-PB-DP	PROFIBUS DP-V1; 1x SUB-D
1334940000	UR20-FBC-PL	POWERLINK; 2x RJ45; 100Mbit/s
1334880000	UR20-FBC-PN-IRT	PROFINET IO with RT and IRT 2 x RJ45 100 Mbit/s
2566380000	UR20-FBC-PN-IRT-V2	PROFINET IO with RT and IRT 2 x RJ45
Digital input modules:		
1460140000	UR20-2DI-P-TS	2 digital inputs; 2-wire, 3-wire, 3-wire+FE; 24V, time stamp function
1315350000	UR20-4DI-N	4 digital inputs; 2-wire, 3-wire, 3-wire+FE; 24V, N-switching
1315170000	UR20-4DI-P	4 digital inputs, 2-wire, 3-wire, 3-wire+FE; 24V, P-switching
1550070000	UR20-4DI-2W-230V-AC	4 digital inputs; 2-wire; 110-230V AC
2009360000	UR20-4DI-P-3W	4 digital inputs; 2-wire, 3-wire; 24V, P-switching
1460150000	UR20-4DI-P-TS	2 digital inputs; 2-wire, 3-wire, 3-wire+FE; 24V, P-switching
1315180000	UR20-8DI-P-2W	8 digital inputs; 2-wire; 24V, P-switching
1315370000	UR20-8DI-N-3W	8 digital inputs; 2-wire, 3-wire; 24V, N-switching
1394400000	UR20-8DI-P-3W	8 digital inputs; 2-wire, 3-wire; 24V, P-switching
1315190000	UR20-8DI-P-3W-HD	8 digital inputs; 2-wire, 3-wire; 24V, P-switching
1315390000	UR20-16DI-N	16 digital inputs; 1-wire; 24V, N-switching
1315200000	UR20-16DI-P	16 digital inputs; 1-wire; 24V, P-switching
1315400000	UR20-16DI-N-PLC-INT	16 digital inputs; PLC interface; 24V, N-switching
1315210000	UR20-16DI-P-PLC-INT	16 digital inputs; PLC interface; 24V, P-switching
Digital output modules:		
1315410000	UR20-4DO-N	4 digital outputs; 2-wire, 3-wire, 3-wire+FE; 0.5A, N-switching
1315220000	UR20-4DO-P	4 digital outputs; 2-wire, 3-wire, 3-wire+FE; 0.5A, P-switching
1315420000	UR20-4DO-N-2A	4 digital outputs; 2-wire, 3-wire, 3-wire+FE; 2A, N-switching
1315230000	UR20-4DO-P-2A	4 digital outputs; 2-wire, 3-wire, 3-wire+FE; 2A, P-switching
1394420000	UR20-4DO-PN-2A	4 digital outputs; Push/Pull; 2A



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Order No.	Type	Description
Digital output modules:		
1315430000	UR20-8DO-N	8 digital outputs; 2-wire; 0.5A, N-switching
1315240000	UR20-8DO-P	8 digital outputs; 2-wire; 0.5A, P-switching
1509830000	UR20-8DO-P-2W-HD	8 digital outputs; 2-wire, 2-wire + FE; 0.5A, P-switching
1315440000	UR20-16DO-N	16 digital outputs; 1-wire; 0.5A, N-switching
1315250000	UR20-16DO-P	16 digital outputs; 1-wire; 0.5A, P-switching
1315450000	UR20-16DO-N-PLC-INT	16 digital outputs; PLC interface; 0.5A, N-switching
1315270000	UR20-16DO-P-PLC-INT	16 digital outputs; PLC interface; 0.5A, P-switching
Analogue input modules:		
1394390000	UR20-4AI-UI-12	4 parameterisable inputs; 2-wire, 3-wire, 3-wire+FE; 12Bit
1315620000	UR20-4AI-UI-16	4 parameterisable inputs; 2-wire, 3-wire, 3-wire+FE; 16Bit
1315690000	UR20-4AI-UI-16-DIAG	4 parameterisable inputs; 2-wire, 3-wire, 3-wire+FE; 16Bit with diagnosis
1993880000	UR20-4AI-UI-DIF-16-DIAG	4 parameterisable inputs; 2-wire, 3-wire, 3-wire+FE; 16Bit with diagnosis
Analogue output modules:		
2453880000	UR20-4AO-UI-16-M	4 parameterisable outputs 2-wire, 4-wire 16 Bit
2453870000	UR20-4AO-UI-16-M-DIAG	4 parameterisable outputs 2-wire, 4-wire 16 Bit with diagnosis
Potential distribution modules for input/output:		
1334770000	UR20-16AUX-I	16 connections; +24V from input current path
1334780000	UR20-16AUX-O	16 connections; +24V from output current path
1334800000	UR20-16AUX-GND-I	16 connections; 0V from input current path
1334810000	UR20-16AUX-GND-O	16 connections; 0V from output current path
1334790000	UR20-16AUX-FE	16 connections; Functional earth
Power measurement module:		
2007420000	UR20-3EM-230V-AC	6-channel, Input, Power measurement
Digital relay output module:		
1315550000	UR20-4RO-CO-255	4 digital relay output; max. 5A, 240V AC
Digital output module (semiconductor switch):		
1315540000	UR20-4RO-SSR-255	4 digital relay output; max. 1A, 240V AC
Digital counter modules:		
1315570000	UR20-1CNT-100-1DO	1 channel; latch, gate, reset, digital output; Counter 100kHz
1315580000	UR20-1CNT-500	1 channel; Counter, reset; Counter 500kHz
1315590000	UR20-2CNT-100	2 channel; Counter 100kHz
1508080000	UR20-2FCNT-100	2 channel; Frequency counter 100kHz



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Order No.	Type	Description
Power-feed modules:		
1334710000	UR20-PF-I	Supply of the input current path; 10A; Diagnosis display
1334740000	UR20-PF-O	Supply of the output current path; 10A; Diagnosis display
Digital interface module:		
1315750000	UR20-1COM-232-485-422	1x Serial interface; RS232, RS485/422, 300 - 115200bps, parameterised
1508090000	UR20-1SSI	1x Synchronous serial interface; RS422; 125kHz to 2MHz parameterised
Empty slot module:		
1315770000	UR20-ES	Empty slot module
Temperature detection modules:		
1315710000	UR20-4AI-TC-DIAG	4 analogue inputs; 2-wire; 16Bit with diagnosis
1315700000	UR20-4AI-RTD-DIAG	4 analogue inputs; 2-wire, 3-wire, 4-wire; 16Bit with diagnosis
Strain gauge module:		
1990070000	UR20-2AI-SG-24-DIAG	2 parameterisable inputs; 4-wire, 6-wire; 24Bit; with diagnosis

Documents:

- 1432790000_11_04-2017_MANU_en_UR20_web; Akkreditierungsurkunde;

Test Reports:

RS Schwarze Elektrotechnik: - 2017013 dated 31.01.2017; 2018010 dated 06.02.2018;

Weidmüller: - LAB20772E; LAB20807E; LAB20808E; LAB20816E; LAB20841E; LAB21110E; LAB21172E;

- LAB21181E; LAB21507E; LAB21546E; LO16-01183; LO17-00351; LO17-00364; LO17-01311;

- Insulation_resistance_TestA_Initial_Test; EMC32 dated 07.12.2017;

Remarks:

- The products fulfill **EC-Code: EC 3a3/43**.

- The EMC requirements for installation on the Bridge and Deck Zones will be fulfilled by the equipment.

- This certificate cancels and replace the certificate no.: ELE346117XG/002.

HAMBURG September 30, 2019