

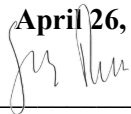


TYPE APPROVAL CERTIFICATE
No. ELE324422XG

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 / u-control
<i>Applicant</i>	WEIDMUELLER INTERFACE GMBH & CO. KG KLINGENBERGSTRASSE 26 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 **April 27, 2023**. *This Certificate is valid until* **April 26, 2028**



RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

TYPE APPROVAL CERTIFICATE

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Enclosure - Page 1 of 5**u-remote / u-control****Product description:**

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

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	ModbusTCP; 2x RJ45; 100Mbit/s
2614380000	UR20-FBC-PB-DP-V2	PROFIBUS DP-V2; 9-pole SUB-D socket; 12 Mbit/s
1334940000	UR20-FBC-PL	POWERLINK; 2x RJ45; 100Mbit/s
1550550000	UR20-FBC-EIP-V2	EtherNet/IP; 2x RJ45; 100 Mbit/s
2566380000	UR20-FBC-PN-IRT-V2	PROFINET IO with RT and IRT; 2x RJ45; 100 Mbit/s
2680260000	UR20-FBC-CC-TSN	CC-Link IE TSN; 2x RJ45; 1 Gbit/s
2661310000	UR20-FBC-IEC61162-450	IEC 61162-450; 2x RJ45; 100 Mbit/s
2625010000	UR20-FBC-CC	CC-Link; Socket for 5-pole PCB plug-in connector; 10 Mbit/s
Digital input modules:		
1460140000	UR20-2DI-P-TS	2 digital inputs; 2-wire, 3-wire, 3-wire+FE; 24V, time stamp function
2792150000	UR20-4DI-P-TS-V2	4 digital inputs; 2-wire, 3-wire, 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	4 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
2464600000	UR20-8DI-PN-FSOE-V2	8 digital inputs; 2-wire, 3-wire, 4-wire; P- or N-switching
2457240000	UR20-8DI-ISO-2W	8 digital inputs; 2-wire; insulated inputs
2464590000	UR20-8DI-PN-FSPS-V2	8 digital inputs; 2-wire, 3-wire, 4-wire; P- or N-switching

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Order No.	Type	Description
Digital input modules:		
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
2464570000	UR20-4DI-4DO-PN-FSPS-V2	4 digital inputs/outputs; 2-wire, 3-wire, 4-wire; P- or N-switching
2464580000	UR20-4DI-4DO-PN-FSOE-V2	4 digital inputs/outputs; 2-wire, 3-wire, 4-wire; P- or N-switching
2456530000	UR20-8DIO-P-3W-DIAG	8 digital inputs/outputs; 2-wire, 3-wire; 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, P- or N-switching
2457250000	UR20-4DO-ISO-4A	4 digital outputs, 2-wire, P- or N-switching; insulated outputs
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:		
2566090000	UR20-2AI-UI-16-DIAG	2 inputs; 2-wire, 3-wire, 3-wire+FE; 16 Bit with diagnosis
2705620000	UR20-2AI-UI-16	2 inputs; 2-wire, 3-wire, 3-wire+FE; 16 Bit
1394390000	UR20-4AI-UI-12	4 parameterized inputs; 2-wire, 3-wire, 3-wire+FE; 12Bit
1315620000	UR20-4AI-UI-16	4 parameterized inputs; 2-wire, 3-wire, 3-wire+FE; 16Bit
1315650000	UR20-8AI-I-16-HD	8 parameterized inputs; 2-wire, 3-wire, 3-wire+FE; 16Bit
1315670000	UR20-8AI-I-PLC-INT	8 parameterized inputs, 20-pin ribbon cable connection
1315690000	UR20-4AI-UI-16-DIAG	4 parameterized inputs; 2-wire, 3-wire, 3-wire+FE; 16Bit with diagnosis
1315720000	UR20-8AI-I-16-DIAG-HD	8 parameterized inputs; 2-wire, 3-wire, 3-wire+FE; 16Bit
1506910000	UR20-4AI-UI-16-DIAG-HD	4 parameterized inputs, 2-wire, 3-wire, 3-wire+FE; 16 Bit
1506920000	UR20-4AI-UI-16-HD	4 parameterized inputs, 2-wire, 3-wire, 3-wire+FE; 12/16Bit

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Order No.	Type	Description
Analogue input modules:		
1993880000	UR20-4AI-UI-DIF-16-DIAG	4 parameterized inputs; 2-wire, 3-wire, 3-wire+FE; 16Bit with diagnosis
2544660000	UR20-4AI-UI-DIF-32-DIAG	4 parameterized inputs, 2-wire, 3-wire, 3-wire+FE, 16Bit with diagnosis
2566960000	UR20-4AI-UI-ISO-16-DIAG	4 inputs; 2-wire; 16 Bit with diagnosis
2001670000	UR20-4AI-R-HS-16-DIAG	4 potentiometer inputs; 3-wire, 3-wire+FE; 16 Bit with diagnosis
2617520000	UR20-4AI-I-HART-16-DIAG	4 inputs; 2-wire, 3-wire, 4-wire; 16 Bit with diagnosis, HART
Analogue output modules:		
2566100000	UR20-2AO-UI-16 DIAG	2 outputs, 2-wire, 4-wire; 16 Bit with diagnosis
2566970000	UR20-2AO-UI-ISO-16-DIAG	2 outputs, 2-wire, 16 Bit with diagnosis
2705630000	UR20-2AO-UI-16	2 outputs, 2-wire, 4-wire, 16 Bit
1315680000	UR20-4AO-UI-16	4 parameterized outputs, 2-wire, 4-wire 16 Bit
1315730000	UR20-4AO-UI-16-DIAG	4 parameterized outputs, 2-wire, 4-wire 16 Bit with diagnosis
2453880000	UR20-4AO-UI-16-M	4 parameterized outputs 2-wire, 4-wire 16 Bit
2453870000	UR20-4AO-UI-16-M-DIAG	4 parameterized outputs 2-wire, 4-wire 16 Bit with diagnosis
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
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, parameterized
2826800000	UR20-1COM-232-485-422-V2	1x Serial interface; RS232, RS485/422
2007430000	UR20-1COM-SAI-PRO	1x gateway to UR67 Sub-Bus-System
2489840000	UR20-1-COM-CANOPEN	1x CANopen interface
1508090000	UR20-1SSI	1x Synchronous serial interface; RS422; 125kHz to 2MHz parameterized

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Order No.	Type	Description
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
2456540000	UR20-4AI-RTD-HP-DIAG	4 analogue inputs; 2-wire, 3-wire, 4-wire; 16 Bit with diagnosis
2555940000	UR20-8AI-RTD-DIAG-2W	8 analogue inputs; 2-wire; 16 Bit with diagnosis
Digital relay output module:		
1315550000	UR20-4RO-CO-255	4 digital relay output; max. 5A, 240V AC
Remote I/O module:		
1315300000	UR20-2PWM-PN-0.5A	2 digital outputs; PWM, 0.5A
1315610000	UR20-2PWM-PN-2A	2 digital outputs; PWM, 2A
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
u-control studio - Basishardware:		
2674520000	UC20-SL2000-EC	
2674620000	UC20-SL2000-EC-CAN	
u-control studio - Dunbles HW+SW:		
2708400000	UC20-SL2000-AC-EC	
2655600000	UC20-SL2000-AC-EC-CAN	
2638920000	UC20-SL2000-OLAC-EC	
2655590000	UC20-SL2000-OLAC-EC-CAN	
u-control web		
1334950000	UC20-WL2000-AC	
2564970000	UC20-WL2000-AC-CAN	
1334990000	UC20-WL2000-IOT	

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Documents:

- 1432790000_26_12-2022_MANU_UR20_en_web

Test Reports:

- UR20 Overview Module TS1 - 2023-03-06
- UR20 Overview Module TS2a - 2023-03-06
- UR20 Overview Module TS2b - 2023-03-06
- UC20 Overview Module - 2023-04-241

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.: ELE106320XG.

HAMBURG April 27, 2023

