UR20-FBC-CC

Product image

Similar to illustration

More performance. Simplified.
u-remote.

Weidmüller u-remote – our innovative remote I/O concept with IP 20 which focuses purely on user benefits: tailored planning, faster installation, safer start-up, no more downtime. For considerably improved performance and greater productivity.

Reduce the size of your cabinets with u-remote, thanks to the narrowest modular design on the market and the need for fewer power-feed modules. Our u-remote technology also offers tool-free assembly, while the modular "sandwich" design and integrated web server speed up installation, both in the cabinet and machine. Status LEDs on the channel and each u-remote module enable reliable diagnosis and rapid service.

This and many other amazing ideas boost the availability of your machines and systems. And ensure smooth processes too. From planning to operation.

u-remote stands for "More Performance". Simplified

General ordering data

Version	Remote I/O fieldbus coupler, IP20, CC-Link
Order No.	2625010000
Type	UR20-FBC-CC
GTIN (EAN)	4050118630657
Qty.	1 pc(s).

Creation date October 27, 2023 11:26:18 AM CEST

UR20-FBC-CC

Technical data

Dimensions and weights

Depth	76 mm	Depth (inches)	2.992 inch
Height	120 mm	Height (inches)	4.724 inch
Width	52 mm	Width (inches)	2.047 inch
Mounting dimension - height	128 mm	Net weight	320 g

Temperatures

Storage temperature	-40 °C … +85 °C	Operating temperature	-20 °C … +60 °C
Operating temperature, min.	-20 °C	Operating temperature, max.	60 °C

Connection data

Type of connection	PUSH IN	Wire connection cross section, finely stranded, max.	1.5 mm²
Wire connection cross section, finely stranded, min.	0.14 mm²	Wire cross-section, finely stranded, max. (AWG)	AWG 16
Wire cross-section, finely stranded, min. (AWG)	AWG 26	Wire cross-section, solid, max.	1.5 mm²
Wire cross-section, solid, max. (AWG)	AWG 16	Wire cross-section, solid, min.	0.14 mm²
Wire cross-section, solid, min. (AWG)	AWG 26		

General data

Air humidity (operation)	10% to 95%, non-condensing as per DIN EN 61131-2	Air humidity (storage)	10% to 95%, non-condensing as per DIN EN 61131-2
Air humidity (transport)	10% to 95%, non-condensing as per DIN EN 61131-2	Air pressure (operation)	≥ 795 hPa (height ≤ 2000 m) as per DIN EN 61131-2
Air pressure (storage)	1013 hPa (height 0 m) to 700 hPa (height 3000 m) as per DIN EN 61131-2	Air pressure (transport)	1013 hPa (height 0 m) to 700 hPa (height 3000 m) as per DIN EN 61131-2
Pollution severity	2	Rail	TS 35
Shock	15 g over 11 ms, half sinus wave, acc. to IEC 60068-2-27	Surge voltage category	II
Test voltage	500 V	UL 94 flammability rating	V-0
Vibration resistance	5 Hz ≤ f ≤ 8.4 Hz: 3.5-mm amplitude as per IEC 60068-2-6, 8.4 Hz ≤ f ≤ 150 Hz: 1 g acceleration as per IEC 60068-2-6		

Power supply

Current consumption from I_{sys}, typ.	85 mA	
Feed current for I_{IN} (input current path)	max.	10,000
	min.	10,000
	nominal	10,000
Feed current for I_{IN} (input current path) , max.	10 A	
Feed current for I_{OUT} (output current path)	min.	10,000
	max.	10,000
	nominal	10,000
Feed current for I_{OUT} (output current path) , max.	10 A	
Feed current for the system, max.	4 A	

Creation date October 27, 2023 11:26:18 AM CEST

UR20-FBC-CC

Technical data

Supply voltage for outputs	24 V DC +20 %/ -15 %
Supply voltage system and inputs	24 V DC +20 %/ -15 %
Voltage supply	24 V DC +20 %/ -15 %, via the system bus

System data

Configuration interface	Micro USB 2.0	Connection type	Socket for 5-pole PCB plug-in connector
Diagnostic data	3,008 Byte	Field bus protocol	CC-Link
Interface	u-remote system bus	Module type	Bus coupler
Parameter data	4 kByte	Process data	512 Byte
Transmission rate of field bus, max.	10 Mbit/s	Transmission speed of system bus, max.	48 Mbit/s
max. number of modules	64		

Classifications

ETIM 6.0	EC001603	ETIM 7.0	EC001603
ETIM 8.0	EC001603	ETIM 9.0	EC001603
ECLASS 9.0	27-24-26-07	ECLASS 9.1	27-24-26-07
ECLASS 10.0	27-24-26-07	ECLASS 11.0	27-24-26-07
ECLASS 12.0	27-24-26-07	ECLASS 13.0	27242607

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	98e19a7e-033b-4e68-93e3-c47b30de875e

Approvals

Approvals

UL File Number Search	UL Website
Certificate no. (cULus)	E141197
Certificate no. (cULusEX)	E223527

Creation date October 27, 2023 11:26:18 AM CEST

UR20-FBC-CC

Technical data

Downloads

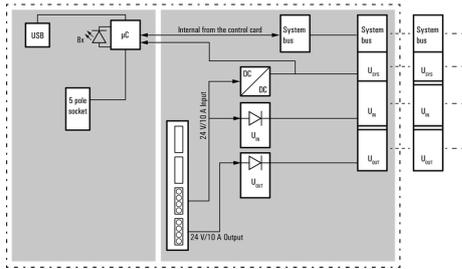|	
Approval/Certificate/Document of Conformity	KC certificate
	Lloyds Register certificate
	DNV/GL certificate
	RINA certificate
	Bureau Veritas - Type Approval Certificate
	DEMKO15ATEX1525X
	CCC certificate
	UKCA Declaration of Conformity - EN
	CE Declaration of Conformity - DE
Engineering Data	Compatibility information – Combinability of UR20
	Release-Notes - Firmware, CSP and Supported modules list
	CAD data – STEP
Software	Library and function block – Language_Pack_UR20_FBC
	Device description – Current CSP file CC-LINK coupler
	Firmware – Firmware CC-LINK
	Firmware – Achive-Firmware_CC-LINK
	Device description – Archive-CSP_CC-LINK
User Documentation	MAN_UR20_WEBSERVER_DE
	MAN_UR20_WEBSERVER_EN
	20211018 Security Advisory – Remote I/O fieldbus couplers (IP20) affected by INFRA:HALT vulnerabilities
Catalogues	Catalogues in PDF-format

Creation date October 27, 2023 11:26:18 AM CEST

UR20-FBC-CC

Drawings

Block diagram

Connection diagram
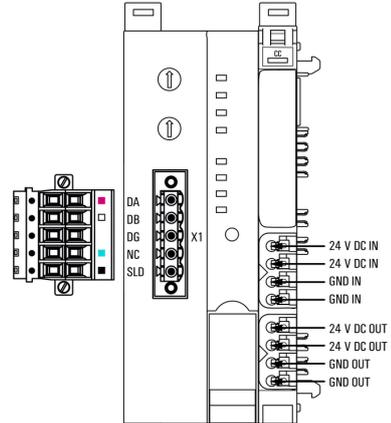
Explanation of abbreviations

Field bus coupler
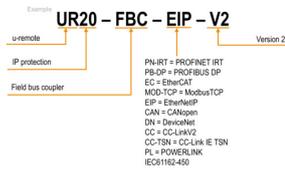
UR20 – FBC – EIP – V2

u-remote

IP protection

Field bus coupler

PN-IRT = PROFINET IRT
PB-DP = PROFIBUS DP
EC = EtherCAT
MOD-TCP = ModbusTCP
EIP = EtherNetIP
CAN = CANopen
DN = DeviceNet
CC = CC-LinkV2
CC-TSN = CC-Link IE TSN
PL = POWERLINK
IEC61162-450

Version 2

Creation date October 27, 2023 11:26:18 AM CEST

Accessories

Blank

General ordering data

Type	PM 2.7/2.6 MC NE WS	Version
Order No.	1323710000	OMNIMATE Signal - series PM, Pusher markers, 2.7 x 2.6 mm, Pitch in
GTIN (EAN)	4050118126778	mm (P): 3.50 Weidmueller, white
Qty.	960 pc(s).	

Custom printing
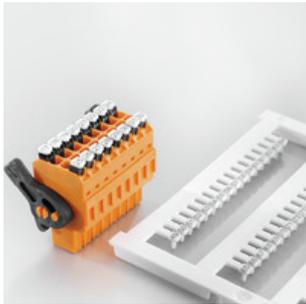
General ordering data

Type	PM 2.7/2.6 MC SDR	Version
Order No.	1323700000	OMNIMATE Signal - series PM, Pusher markers, 2.7 x 2.6 mm, Pitch in
GTIN (EAN)	4050118126761	mm (P): 3.50 Weidmueller, To customer specification
Qty.	192 pc(s).	

Creation date October 27, 2023 11:26:18 AM CEST

Accessories

Blank

The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8-11.5 MC NE WS	Version	
Order No.	1341630000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00	
GTIN (EAN)	4050118145946	Weidmueller, white	
Qty.	500 pc(s).		

Accessories

Potential-distribution modules; system accessory

A wide range of accessory modules is available for individual requirements of machine and plant engineering. Various potential distribution modules are available for the supply of sensors with 2- to 4-wire connection technology directly from the remote I/O system. These offer 16 "PUSH IN" potential points and supply your application with any auxiliary potential available. An empty module, where the system bus and voltage supply are looped through, allows you to plan expansion slots in a system and to start these up without any interruptions if required.

General ordering data

Type	IE-USB-A-MICRO-1.8M	Version	
Order No.	1487980000	USB cable, USB A, USB Micro, PVC, 1.8 m	
GTIN (EAN)	4050118298451		
Qty.	1 pc(s).		
Type	UR20-EBK-ACC	Version	
Order No.	1346610000	End bracket, ,	
GTIN (EAN)	4050118151596		
Qty.	5 pc(s).		

Creation date October 27, 2023 11:26:18 AM CEST

UR20-FBC-CC

Accessories

Type	UR20-SM-ACC	Version
Order No.	1339920000	Cover, ,
GTIN (EAN)	4050118144727	
Qty.	20 pc(s).	

Custom printing

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- Available as blank MultiCard or with standard printing

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	DEK 5/8-11.5 MC SDR	Version
Order No.	1341610000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00
GTIN (EAN)	4050118146059	Weidmueller, To customer specification
Qty.	100 pc(s).	

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