Weidmüller ⅗

Remote-I/O - u-remote
UR20-FBC-PB-DP

More performance. Simplified. u-remote.

u-remote stands for "More Performance". Simplified

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.

General ordering data

Type	UR20-FBC-PB-DP
Order No.	1334870000
Version	Remote I/O fieldbus coupler, IP 20, , PROFIBUS DP-V1
GTIN (EAN)	4050118138245
Packaging	Cardboard box

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Technical data

Dimensions and weights

Width	52 mm	Width (inches)	2.047 inch
Height	120 mm	Height (inches)	4.724 inch
Depth	76 mm	Depth (inches)	2.992 inch
Mounting dimension - height	128 mm	Weight	247 g
Net weight	320 g		

Temperatures

Humidity	10...90 % (no condensation)	Operating temperature	-20 °C ... +60 °C
Storage temperature	-40 °C ... +85 °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	Shock	25 g over 6 ms, half sine wave, 1000 shocks per axis and direction as per IEC 60068-2-27
Surge voltage category	II	Test voltage	500 V
UL 94 flammability rating	V-0	Vibration-proof	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_{IN} (power segment of the field bus coupler), typ. [mA]	100 mA	Feed current for I_{IN} (input current path) [mA], max.	10,000 mA
Feed current for I_{OUT} (output current path) [mA], max.	10,000 mA	Feed current for the system, max.	4,000 mA
Supply voltage	24 V DC +20%/ -15%	Supply voltage for outputs	24 V DC +20%/ -15%
Supply voltage system and inputs	24 V DC +20%/ -15%		

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Technical data

System data

Configuration interface	Micro USB 2.0	Connection type	9-pin SUB-D connector
Diagnostic data	244 Byte	Field bus protocol	PROFIBUS DP-V1
Galvanic isolation	Yes, between field and system bus	Interface	
			u-remote system bus
Module type	Bus coupler	Parameter data	244 Byte
Process data	488 Byte	Transmission speed of system bus, max.	48 Mbit/s
max. number of modules	64		

Classifications

ETIM 4.0	EC001599	ETIM 5.0	EC001599
ETIM 6.0	EC001599	eClass 6.2	27-24-26-10
eClass 7.1	27-24-26-10	eClass 8.1	27-24-26-10
eClass 9.0	27-24-26-10		

Approvals

Approvals

ROHS   Conform

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Drawings

Schirm 1
Data B 3
Data A 8
DGND 5
VP +5V 6

X1

24 V DC f. Eingang
24 V DC f. Eingang
GND f. Eingang
GND f. Eingang
24 V DC f. Ausgang
24 V DC f. Ausgang
GND f. Ausgang
GND f. Ausgang

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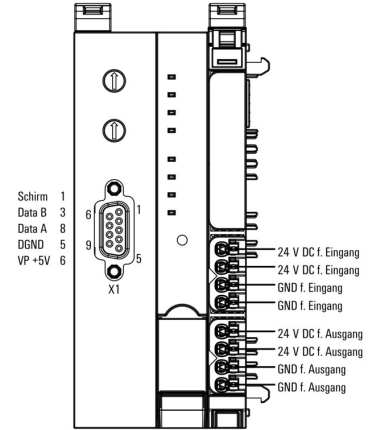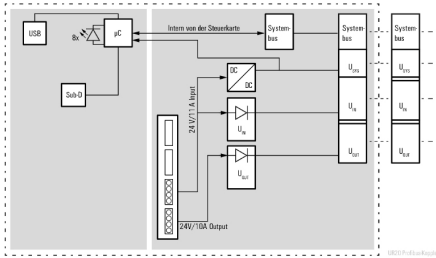
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**Remote-I/O - u-remote
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Accessories

Custom printing

Weidmüller has established new market standards with its MultiCard product line. This system is being continually extended with over 200 variants and by consistently extending the portfolio.

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
2014-12-31T00:00:00	PM 2.7/2.6 MC SDR	1323700000	PM, Pusher markers, 2.7 x 2.6 mm, Pitch in mm (P): 3.50 Weidmueller, To customer specification	4050118126761	192 pc(s).

Neutral

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General ordering data

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

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Accessories

USB cable - USB A - USB Micro

Assembled IE cables

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
IE-USB-A-MICRO-1.8M	1487980000	USB cable, USB A, USB Micro, PVC, 1.8 m	4050118298451	1 pc(s).

Custom printing

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

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
2014-12-31	TO DEK 5/8+01.50MC SDR	1341610000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, To customer specification	4050118146059	100 pc(s).

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Accessories

Neutral

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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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.
DEK 5/8-11.5 MC NE WS	1341630000	Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 Weidmueller, White	4050118145946	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	Order No.	Version	GTIN (EAN)
UR20-SM-ACC	1339920000	Cover, ,	4050118144727
UR20-EBK-ACC	1346610000	End bracket, ,	4050118151596

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