

UR20-FBC-PB-DP-V2

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image, Similar to illustration



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, PROFIBUS DP-V1
Order No.	2614380000
Type	UR20-FBC-PB-DP-V2
GTIN (EAN)	4050118624977
Qty.	1 pc(s).

UR20-FBC-PB-DP-V2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

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	247 g

Temperatures

Storage temperature	-40 °C ... +85 °C	Operating temperature	-20 °C ... +60 °C
Humidity	10...90 %, no condensation		

Environmental Product Compliance

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

Connection data

Type of connection	PUSH IN	Wire connection cross section, finely stranded, max.	1.5 mm ²
Wire connection cross section, finely stranded, min.	0.14 mm ²	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 mm ²
Wire cross-section, solid, max. (AWG)	AWG 16	Wire cross-section, solid, min.	0.14 mm ²
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		
Restricted area	Positive expansion	X coordinate	83.5 mm
		Y coordinate	160 mm
		Z coordinate	85 mm
	Negative expansion	Z coordinate	0 mm
		Y coordinate	-40 mm
X coordinate		-28 mm	
Type of restricted area	thermal		
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.	90 mA
--	-------

Creation date September 18, 2022 12:47:36 AM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

2

UR20-FBC-PB-DP-V2

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Feed current for I _{IN} (input current path)	max.	10,000 mA
	min.	10,000 mA
	nominal	10,000 mA
Feed current for I _{IN} (input current path), 10 A max.		
Feed current for I _{OUT} (output current path)	nominal	10,000 mA
	max.	10,000 mA
	min.	10,000 mA
Feed current for I _{OUT} (output current path), max.	10 A	
Feed current for the system, max.	4 A	
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	9-pole SUB-D socket (female)
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 rate of field bus, max.	12 Mbit/s
Transmission speed of system bus, max.	48 Mbit	max. number of modules	64

Classifications

ETIM 6.0	EC001603	ETIM 7.0	EC001603
ETIM 8.0	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

Approvals

Approvals



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

UR20-FBC-PB-DP-V2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Downloads

Approval/Certificate/Document of Conformity	RINA certificate DEMKO15ATEX1525X CCC certificate
Engineering Data	Library and function block – Beckhoff TwinCAT3 - EN - V1.1.0 Library and function block – Siemens TIA Portal V15.1 - EN - V0.5.0 Compatibility information – Combinability of UR20 CAD data – STEP
Engineering Data	EPLAN
Product Change Notification	Release-Notes - GSD Release-Notes - Firmware and Supported modules list
Software	Library and function block – Language Pack UR20_FBC Device description – Current GSD file PROFIBUS V2 coupler Driver – USB driver Runtime Software – CPD-Tool (PROFIsafe parameter-checksum-generator) Firmware – Current Firmware file Profibus-DP coupler HW2 Firmware – Archiv Firmware file Profibus-DP coupler HW2 Device description – Archiv GSD file PROFIBUS V2 coupler
User Documentation	MAN_U-REMOTE_DE MAN_U-REMOTE_EN MAN_U-REMOTE_FS_DE MAN_U-REMOTE_FS_EN 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

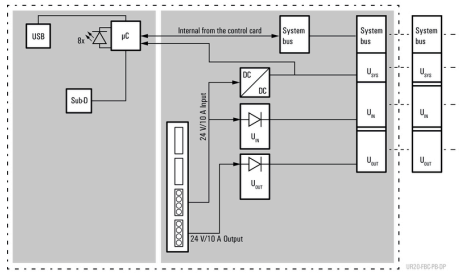
UR20-FBC-PB-DP-V2

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

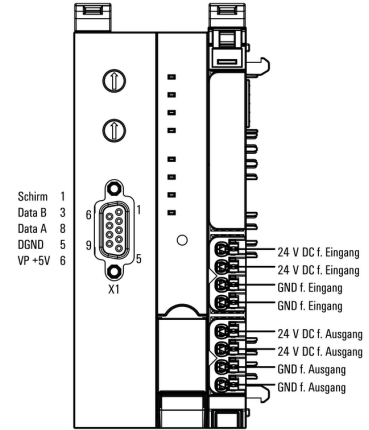
Drawings

www.weidmueller.com

Block diagram, Similar to illustration



Connection diagram



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [I/O Modules](#) category:

Click to view products by [Weidmuller](#) manufacturer:

Other Similar products are found below :

[70L-OAC-L](#) [G21960000700](#) [G34960002700](#) [G88104401](#) [IDC-5B](#) [OACU](#) [C4SWOUT](#) [FC6A-T32K3](#) [SNAP-OAC5MA](#) [FC6A-N16B3](#)
[FC6A-N32B3](#) [FC6A-T16P3](#) [G3TAOD201SDC24](#) [PB32HQ](#) [PB16T](#) [PB8](#) [PB8H](#) [C200H-OD211](#) [GT1-AD04CST](#) [GT1-DA04](#) [70GRCQ24-](#)
[HS](#) [M-OAC5](#) [G4OAC24AMA](#) [2736505](#) [6202](#) [6402](#) [IL MOD BK DI8 DO4-PAC](#) [FC6A-J2C1](#) [FC6A-KC1C](#) [FC6A-N08A11](#) [FC6A-M24BR1](#)
[FC6A-K4A1](#) [FC6A-T32P3](#) [9-1393028-2](#) [GP32900003700](#) [641-480-5022](#) [PB16H](#) [WISE-4050/LAN-B](#) [WISE-S614T-A](#) [ADAM-4068-C](#)
[56475](#) [ADAM-4017+-F](#) [ADAM-4118-C](#) [AMAX-4856-B](#) [WISE-4050-B](#) [ADAM-4051-C](#) [ADAM-4053-F](#) [GT1-AD08MX](#) [TM5SDO6TBFS](#)
[70Q3446](#)