

UR20-PF-O

Weidmüller Interface GmbH & Co. KG

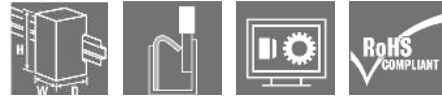
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



10 A feeding; input or output current path; diagnosis display

Weidmüller power feed modules are available to refresh the power of the input and output current path. Monitored by the voltage diagnosis display, these feed 10 A in the corresponding input or output path. A time-saving start-up is guaranteed by the standard u-remote plug with proven and tested "PUSH IN" technology for reliable contacts. The power supply is monitored by a diagnosis display.

General ordering data

| | |
|-------------------|--|
| Version | Remote I/O module, IP20, Power supply unit, 24 VDC-Output |
| Order No. | 1334740000 |
| Type | UR20-PF-O |
| GTIN (EAN) | 4050118138122 |
| Qty. | 1 pc(s). |
| Replacement parts | 1350950000 1347420000 1346480000 |

Creation date February 20, 2023 3:53:31 PM CET

Catalogue status 03.02.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|-----------------------------|---------|-----------------|------------|
| Depth | 76 mm | Depth (inches) | 2.992 inch |
| Height | 120 mm | Height (inches) | 4.724 inch |
| Width | 11.5 mm | Width (inches) | 0.453 inch |
| Mounting dimension - height | 128 mm | Net weight | 76 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 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 |
| 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 _{OUT} (the respective power segment) | < 10 mA | | |
| Feed current for I _{OUT} (output current path) | nominal | 10,000 mA | |
| | min. | 10,000 mA | |
| | max. | 10,000 mA | |
| Feed current for I _{OUT} (output current path), max. | 10,000 mA | | |
| Supply voltage for outputs | 24 V DC +20 %/ -15 % | | |

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Technical data

System data

| | | | |
|--------------------|--|-----------|---------------------|
| Field bus protocol | CANopen, DeviceNet, EtherCAT, EtherNet/IP, Modbus/TCP, PROFINET IRT, PROFIBUS DP-V1, POWERLINK | Interface | u-remote system bus |
| Module type | Power-feed module | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001600 | ETIM 7.0 | EC001600 |
| ETIM 8.0 | EC001600 | ECLASS 9.0 | 27-24-26-10 |
| ECLASS 9.1 | 27-24-26-10 | ECLASS 10.0 | 27-24-26-10 |
| ECLASS 11.0 | 27-24-26-10 | ECLASS 12.0 | 27-24-26-10 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 82327f13-cd27-455a-ab5b-a62e1996dcf8 |

Approvals

Approvals



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

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Technical data

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | Compass safe distance certificate Lloyds Register certificate DNV/GL certificate ABS certificate RINA certificate Bureau Veritas - Type Approval Certificate PRS (Polish Register of Shipping) NIPPON KAIJI KYOKAI Certificate DEMKO 15ATEX1525X UKCA Declaration of Conformity - EN CE Declaration of Conformity - DE |
| Engineering Data | CAD data – STEP Compatibility information – Combinability of UR20 |
| Engineering Data | WSCAD, Zuken E3.S |
| User Documentation | MAN_U-REMOTE_DE MAN_U-REMOTE_EN |
| Catalogues | Catalogues in PDF-format |

Data sheet

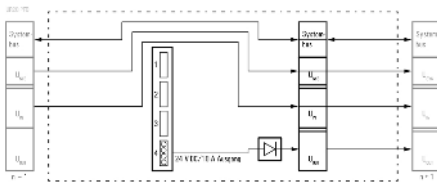
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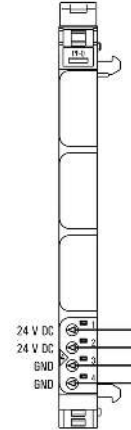
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Drawings

Block diagram



Connection diagram



Explanation of abbreviations

Power-feed modules



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Accessories

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 | UR20-SM-ACC | Version |
| Order No. | 1339920000 | Cover, , |
| GTIN (EAN) | 4050118144727 | |
| Qty. | 20 pc(s). | |
| Type | UR20-EBK-ACC | Version |
| Order No. | 1346610000 | End bracket, , |
| GTIN (EAN) | 4050118151596 | |
| Qty. | 5 pc(s). | |

Stainless steel

Stainless steel is a collective term for all types of steel (alloys) with a high degree of purity and corrosion resistance.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TS 35X7.5 2M/CRN | Version |
| Order No. | 1747350000 | Rail, TS 35, TS 35 x 7.5, without slot, Stainless steel, rust-proof, |
| GTIN (EAN) | 4032248003372 | Stainless steel 1.4301, untreated |
| Qty. | 2 m | |

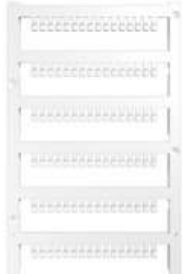
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Accessories

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



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 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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Accessories

Custom printing



General ordering data

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

Aluminum



Aluminum has the second best electrical conductivity after copper. One advantage is low weight, anMiscellaneous is outstanding corrosion protection.

General ordering data

| | | | |
|------------|----------------------------|---------|--|
| Type | TS 35X7.5 2M/AL/BK | Version | Rail, TS 35, TS 35 x 7.5, without slot, Aluminium, untreated |
| Order No. | 0330800000 | | |
| GTIN (EAN) | 4008190100650 | | |
| Qty. | 2 m | | |

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Accessories

Steel



Steel DIN rails are the most widespread on the market. Among metal DIN rails, they have the lowest shortcircuit protection, similar to stainless steel.

General ordering data

| | | |
|------------|---------------------------|--|
| Type | TS 35X7.5/LL 2M/ST/ZN | Version |
| Order No. | 051450000 | Rail, TS 35, TS 35 x 7.5, with slot, Steel, galvanic zinc plated and passivated |
| GTIN (EAN) | 4008190046019 | |
| Qty. | 2 m | |
| Type | TS 35X7.5/LL 1M/ST/ZN | Version |
| Order No. | 051451000 | Rail, TS 35, TS 35 x 7.5, with slot, Steel, galvanic zinc plated and passivated |
| GTIN (EAN) | 4008190116620 | |
| Qty. | 1 m | |
| Type | TS 35X7.5/LL 2M/ST/SZ | Version |
| Order No. | 791506000 | Rail, TS 35, TS 35 x 7.5, with slot, Steel, galvanic zinc plated and passivated |
| GTIN (EAN) | 4032248296279 | |
| Qty. | 2 m | |
| Type | TS 35X7.5 2M/ST/ZN | Version |
| Order No. | 038340000 | Rail, TS 35, TS 35 x 7.5, without slot, Steel, galvanic zinc plated and passivated |
| GTIN (EAN) | 4008190088026 | |
| Qty. | 2 m | |

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Accessories

Blank



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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

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). | | |

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Replacement parts

Electronic modules



General ordering data

| | | |
|------------|----------------------------|---------------------|
| Type | UR20-EM-1334740000-SP | Version |
| Order No. | 1347420000 | Replacement part, , |
| GTIN (EAN) | 4050118248296 | |
| Qty. | 1 pc(s). | |

Plugkit



General ordering data

| | | |
|------------|----------------------------|--|
| Type | UR20-PK-1334740000-SP | Version |
| Order No. | 1346480000 | Replacement part, Plug-in connector, , |
| GTIN (EAN) | 4050118151374 | |
| Qty. | 5 pc(s). | |

Data sheet

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Replacement parts

Basic modules



General ordering data

| Type | UR20-BM-PF-O-SP | Version | Packaging |
|------------|----------------------------|---|-----------|
| Order No. | 1350950000 | Replacement part , Flange-mounted housing | Cardboard |
| GTIN (EAN) | 4050118402742 | | box |
| Qty. | 5 pc(s). | | |