

UR20-3EM-230V-AC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Power measurement module

Power measurement module for 1 or 3 phases, rated voltage up to 300 Veff

The power module serves to measure and process currents & voltages of single-phase or three-phase loads up to a rated voltage of 300 Veff AC (phase & neutral conductor). Reactive, apparent, harmonic and active power, energy consumption, phase angle and many other electrical parameters are measured and calculated directly with the module. Which data are transmitted via the process data of the various fieldbuses can be selected using parameters.

The power measurement module can easily be integrated into existing automation solutions using u-remote. If using conversion current measuring transducers, no intervention needs to be made into the existing installation.

Currents up to 1 A or 5 A can be measured directly, higher currents can be measured with plug-on or conversion current measuring transducers from Weidmüller.

General ordering data

| | |
|---------------------|--|
| Version | Remote I/O module, IP20, 6-channel, Input, Power measurement, PUSH IN connection |
| Order No. | 2007420000 |
| Type | UR20-3EM-230V-AC |
| GTIN (EAN) | 4050118392777 |
| Qty. | 1 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2026-12-31T00:00:00+01:00 |
| Alternative product | UR20-3EM-400V-AC-CT1A |

UR20-3EM-230V-AC

Weidmüller Interface GmbH & Co. KG
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Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|-----------------------------|---------|-----------------|-------------|
| Depth | 76 mm | Depth (inches) | 2.9921 inch |
| Height | 120 mm | Height (inches) | 4.7244 inch |
| Width | 11.5 mm | Width (inches) | 0.4528 inch |
| Mounting dimension - height | 128 mm | Net weight | 90 g |

Temperatures

| | | | |
|---------------------|-------------------|-----------------------|----------------|
| Storage temperature | -40 °C ... +85 °C | Operating temperature | -20 °C...60 °C |
|---------------------|-------------------|-----------------------|----------------|

Environmental Product Compliance

| | | | |
|--------------------------------------|--------------------------------------|------------------|--|
| RoHS Compliance Status | Compliant with exemption | | |
| RoHS Exemption (if applicable/known) | 7a, 7cI | | |
| REACH SVHC | Lead 7439-92-1 | | |
| SCIP | 82327f13-cd27-455a-ab5b-a62e1996dcf8 | | |
| Product Carbon Footprint | Cradle to gate | 8,889 kg CO2 eq. | |

analogue inputs

| | | | |
|--------------------------------------|--------------------------------------|-----------------------|---|
| Number | 3 | Insulation | 1.5 kVeff.(input / system) |
| Resolution | 16 bit per channel (internal 24 bit) | Rated voltage | 300 Veff (L-N), 520 Veff (L-L) |
| Frequency of the supply system | 45...65 Hz | Measurement accuracy | 0.5% in relation to final value (U / I), 1% for the calculated values |
| Connectable converter ratios | 1 ... 1000 | Analysis of harmonic | 31 (Blackmann-Harris Window) |
| Measurement resistance (shunt) | 4 mΩ (at 5 A), 20 mΩ (at 1 A) | Nominal peak voltage | 4 kV |
| Sampling rate of current measurement | 3,300 samples/s | Nominal load capacity | 0... 1 A / 0...5 A AC |
| Category for voltage measurements | CAT II (IEC 61010 Part 1) | Measurement method | High Resolution Delta Sigma (current measurement in outer conductor) |
| Input impedance voltage | 2.4 MΩ per channel | Module diagnosis | Yes |

Connection data

| | | | |
|--|---------------------|--|----------------------|
| Wire cross-section, finely stranded, max. (AWG) | AWG 16 | Wire cross-section, finely stranded, min. (AWG) | AWG 26 |
| Wire cross-section, solid, max. (AWG) | AWG 16 | Wire cross-section, solid, min. (AWG) | AWG 26 |
| Type of connection | PUSH IN | Number | 3 |
| Wire cross-section, solid, max. | 1.5 mm ² | Wire cross-section, solid, min. | 0.14 mm ² |
| Wire connection cross section, finely stranded, max. | 1.5 mm ² | Wire connection cross section, finely stranded, min. | 0.14 mm ² |

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| 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 | UL 94 flammability rating | V-0 |
| Test voltage | 500 V | Surge voltage category | II |
| Pollution severity | 2 | Mounting rail | TS 35 |
| Air pressure (operation) | ≥ 795 hPa (height ≤ 2000 m) as per DIN EN 61131-2 | Air humidity (transport) | 10% to 95%, non-condensing 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 | Air pressure (storage) | 1013 hPa (height 0 m) to 700 hPa (height 3000 m) as per DIN EN 61131-2 |
| 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 |
| Shock | 15 g over 11 ms, half sinus wave, acc. to IEC 60068-2-27 | | |

Power supply

| | | | |
|--|--|---|-------|
| Supply voltage | 24 V DC +20 %/ -15 %, via the system bus | Current consumption from IIN (the respective power segment) | 12 mA |
| Current consumption from I _{sys} , typ. | 8 mA | | |

System data

| | | | |
|-------------------------|------------------------------------|--------------------|---|
| Module type | Functional module | Interface | u-remote system bus |
| Galvanic isolation | 500 V DC between the current paths | Process data | 32 Byte |
| Configuration interface | Micro USB 2.0 | Field bus protocol | PROFINET IRT, PROFINET RT, PROFIBUS DP-V1, EtherCAT, Modbus/TCP, EtherNet/IP, CANopen, DeviceNet, POWERLINK, CC-Link, CC-Link IE TSN, IEC 61162-450 |

Transmission speed of system bus, max. 48 MBit/s

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001601 | ETIM 9.0 | EC001601 |
| ETIM 10.0 | EC001601 | ECLASS 14.0 | 27-24-26-05 |
| ECLASS 15.0 | 27-24-26-05 | | |

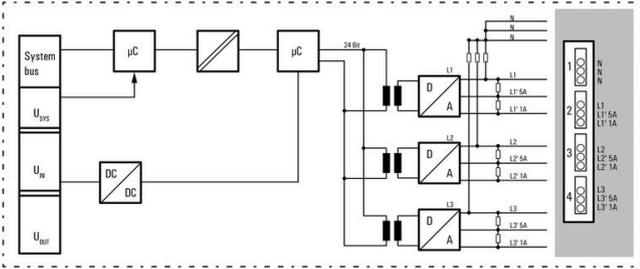
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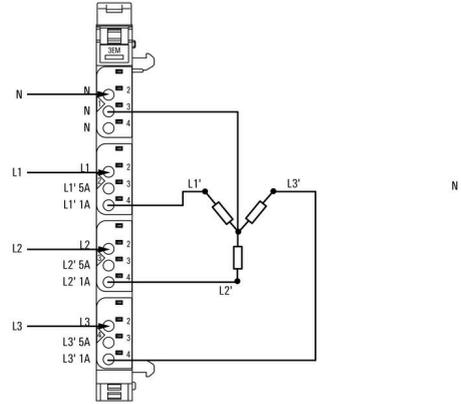
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Drawings

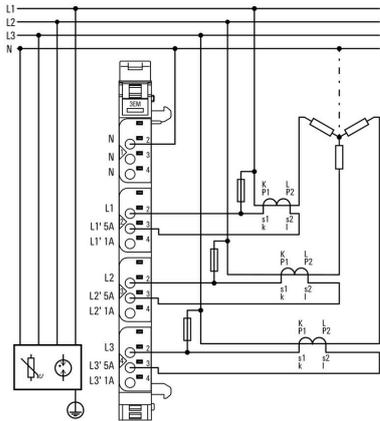
Block diagram



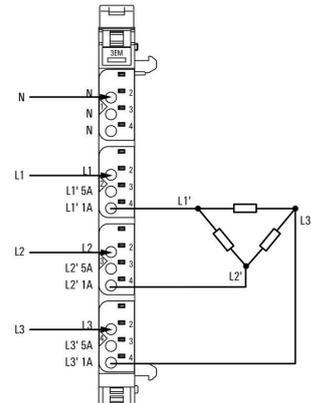
Connection diagram



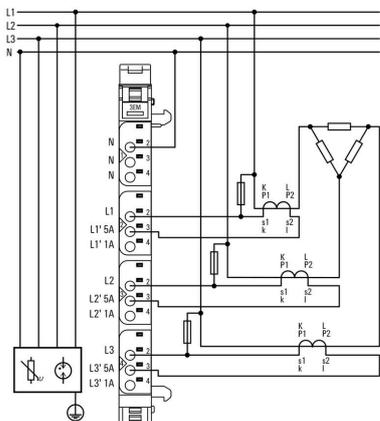
Connection diagram



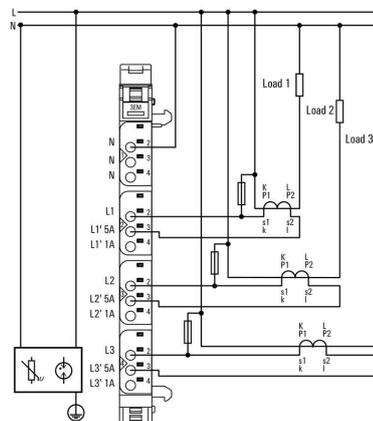
Connection diagram



Connection diagram



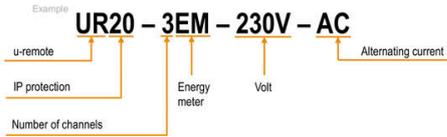
Connection diagram



Drawings

Explanation of abbreviations

Power measurement module



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Accessories

Accessories



System accessory

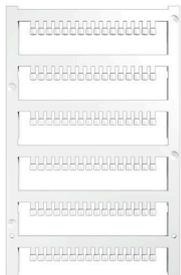
Discover a wide range of accessories for your u-remote system - the ideal addition to make your applications even more efficient and flexible.

General ordering data

| | | | |
|------------|----------------------------|----------------|--|
| Type | UR20-EBK-ACC | Version | |
| Order No. | 1346610000 | End bracket, , | |
| GTIN (EAN) | 4050118151596 | | |
| Qty. | 5 ST | | |

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

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 | |
| GTIN (EAN) | 4050118126778 | in mm (P): 3.50 Weidmueller, white | |
| Qty. | 960 ST | | |

Custom printing



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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 mm (P): 3.50 Weidmueller, To customer specification | |
| GTIN (EAN) | 4050118126761 | | |
| Qty. | 192 ST | | |
| 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 Weidmueller, To customer specification | |
| GTIN (EAN) | 4050118146059 | | |
| Qty. | 100 ST | | |

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 Weidmueller, white | |
| GTIN (EAN) | 4050118145946 | | |
| Qty. | 500 ST | | |

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 | |
| Order No. | 0330800000 | Terminal rail, Accessories, Aluminium, untreated, Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm | |
| GTIN (EAN) | 4008190100650 | | |
| Qty. | 40 M | | |

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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 | Terminal rail, Accessories, Stainless steel 1.4301, untreated, Width: | |
| GTIN (EAN) | 4032248003372 | 2000 mm, Height: 35 mm, Depth: 7.5 mm | |
| Qty. | 40 M | | |

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 2M/ST/ZN | Version | |
| Order No. | 0383400000 | Terminal rail, Accessories, Steel, galvanic zinc plated and passivated, | |
| GTIN (EAN) | 4008190088026 | Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm | |
| Qty. | 40 M | | |
| Type | TS 35X7.5/LL 2M/ST/ZN | Version | |
| Order No. | 0514500000 | Terminal rail, Accessories, Steel, galvanic zinc plated and passivated, | |
| GTIN (EAN) | 4008190046019 | Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm | |
| Qty. | 40 M | | |
| Type | TS 35X7.5/LL 1M/ST/ZN | Version | |
| Order No. | 0514510000 | Terminal rail, Accessories, Steel, galvanic zinc plated and passivated, | |
| GTIN (EAN) | 4008190116620 | Width: 1000 mm, Height: 35 mm, Depth: 7.5 mm | |
| Qty. | 20 M | | |
| Type | TS 35X7.5/LL 2M/ST/SZ | Version | |
| Order No. | 7915060000 | Terminal rail, Accessories, Steel, galvanic zinc plated and passivated, | |
| GTIN (EAN) | 4032248296279 | Width: 2000 mm, Height: 35 mm, Depth: 7.5 mm | |
| Qty. | 40 M | | |

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Plug-on current transformer - ValueLine



Plug-on current transformers

Plug-on current transformers are used wherever high currents of up to 5000A need to be measured and processed. Our plug-on current transformers supply secondary currents of 1A or 5A. Weidmüller also offers compact low-power current transformers to convert currents of up to 600 A to voltages of up to 333 mV.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | CMA-101-2500-5A-10VA-0,5 | Version |
| Order No. | 2680250000 | Primary current: 2500 A, Secondary current max.: 5 A, Load: 10 VA, |
| GTIN (EAN) | 4050118696608 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-101-2500-5A-10VA-1 | Version |
| Order No. | 2680190000 | Primary current: 2500 A, Secondary current max.: 5 A, Load: 10 VA, |
| GTIN (EAN) | 4050118696516 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-100-5A-2,5VA-1 | Version |
| Order No. | 1482030000 | Primary current: 100 A, Secondary current max.: 5 A, Load: 2.5 VA, |
| GTIN (EAN) | 4050118290943 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-125-5A-2,5VA-0,5 | Version |
| Order No. | 2680200000 | Primary current: 125 A, Secondary current max.: 5 A, Load: 2.5 VA, |
| GTIN (EAN) | 4050118696578 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-150-5A-2,5VA-0,5 | Version |
| Order No. | 2421030000 | Primary current: 150 A, Secondary current max.: 5 A, Load: 2.5 VA, |
| GTIN (EAN) | 4050118428971 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-150-5A-5VA-1 | Version |
| Order No. | 2420960000 | Primary current: 150 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429091 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-200-5A-2,5VA-0,5 | Version |
| Order No. | 2421020000 | Primary current: 200 A, Secondary current max.: 5 A, Load: 2.5 VA, |
| GTIN (EAN) | 4050118428988 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-200-5A-5VA-1 | Version |
| Order No. | 2420950000 | Primary current: 200 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429190 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-250-5A-5VA-0,5 | Version |
| Order No. | 1482050000 | Primary current: 250 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118291094 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-250-5A-5VA-1 | Version |
| Order No. | 2420940000 | Primary current: 250 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429183 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |

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| | | |
|------------|----------------------------|--|
| Type | CMA-31-300-5A-5VA-0,5 | Version |
| Order No. | 2420990000 | Primary current: 300 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429220 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-400-5A-5VA-0,5 | Version |
| Order No. | 2420980000 | Primary current: 400 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429305 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-400-5A-5VA-1 | Version |
| Order No. | 2420920000 | Primary current: 400 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118428964 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-500-5A-5VA-0,5 | Version |
| Order No. | 1482070000 | Primary current: 500 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118291100 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-500-5A-5VA-1 | Version |
| Order No. | 2420910000 | Primary current: 500 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429169 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-60-5A-1,25VA-1 | Version |
| Order No. | 2421380000 | Primary current: 60 A, Secondary current max.: 5 A, Load: 1.25 VA, |
| GTIN (EAN) | 4050118429381 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-600-5A-5VA-0,5 | Version |
| Order No. | 2420970000 | Primary current: 600 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429206 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-600-5A-5VA-1 | Version |
| Order No. | 2420900000 | Primary current: 600 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429176 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-75-5A-2,5VA-1 | Version |
| Order No. | 1482040000 | Primary current: 75 A, Secondary current max.: 5 A, Load: 2.5 VA, |
| GTIN (EAN) | 4050118291087 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-750-5A-5VA-0,5 | Version |
| Order No. | 1482080000 | Primary current: 750 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118290950 | Tolerance class: 0,5, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-31-750-5A-5VA-1 | Version |
| Order No. | 2420890000 | Primary current: 750 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429084 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-41-1000-5A-5VA-0,5 | Version |
| Order No. | 2680210000 | Primary current: 1000 A, Secondary current max.: 5 A, Load: , |
| GTIN (EAN) | 4050118696547 | Tolerance class: , closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-41-1000-5A-5VA-1 | Version |
| Order No. | 2680150000 | Primary current: 1000 A, Secondary current max.: 5 A, Load: , |
| GTIN (EAN) | 4050118696493 | Tolerance class: , closed current transformer |
| Qty. | 1 ST | |

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|------------|----------------------------|--|
| Type | CMA-51-1250-5A-5VA-0,5 | Version |
| Order No. | 2680220000 | Primary current: 1250 A, Secondary current max.: 5 A, Load: , |
| GTIN (EAN) | 4050118696561 | Tolerance class: , closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-51-1250-5A-5VA-1 | Version |
| Order No. | 2680160000 | Primary current: 1250 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118696509 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-61-1500-5A-5VA-0,5 | Version |
| Order No. | 2680230000 | Primary current: 1500 A, Secondary current max.: 5 A, Load: , |
| GTIN (EAN) | 4050118696585 | Tolerance class: , closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-61-1500-5A-5VA-1 | Version |
| Order No. | 2680170000 | Primary current: 1500 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118696523 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-81-2000-5A-10VA-0,5 | Version |
| Order No. | 2680240000 | Primary current: 2000 A, Secondary current max.: 5 A, Load: , |
| GTIN (EAN) | 4050118696592 | Tolerance class: , closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-81-2000-5A-10VA-1 | Version |
| Order No. | 2680180000 | Primary current: 2000 A, Secondary current max.: 5 A, Load: 10 VA, |
| GTIN (EAN) | 4050118696530 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |

Split core current transformer



Current transformers for retrofitting

Features:

- especially suitable for use in hard-to-reach places
- no cutting of the primary conductors necessary
- Unfolding of the current transformer without additional tools

General ordering data

| | | |
|------------|----------------------------|---|
| Type | KCMA-18-100-1A-1,25VA-3 | Version |
| Order No. | 1482010000 | Primary current: 100 A, Secondary current max.: 1 A, Load: 1.25 VA, |
| GTIN (EAN) | 4050118290851 | Tolerance class: 3, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-18-150-1A-2VA-3 | Version |
| Order No. | 2420770000 | Primary current: 150 A, Secondary current max.: 1 A, Load: 2 VA, |
| GTIN (EAN) | 4050118429107 | Tolerance class: 3, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-18-200-1A-3VA-3 | Version |
| Order No. | 2420760000 | Primary current: 200 A, Secondary current max.: 1 A, Load: 3 VA, |
| GTIN (EAN) | 4050118428933 | Tolerance class: 3, Split-core current transformer |
| Qty. | 1 ST | |

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| | | |
|------------|----------------------------|--|
| Type | KCMA-18-250-1A-1,5VA-1 | Version |
| Order No. | 1482000000 | Primary current: 250 A, Secondary current max.: 1 A, Load: 1.5 VA, |
| GTIN (EAN) | 4050118291070 | Tolerance class: 1, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-18-250-1A-4VA-3 | Version |
| Order No. | 2420750000 | Primary current: 250 A, Secondary current max.: 1 A, Load: 4 VA, |
| GTIN (EAN) | 4050118428926 | Tolerance class: 3, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-18-50-1A-1VA-3 | Version |
| Order No. | 1482020000 | Primary current: 50 A, Secondary current max.: 1 A, Load: 1 VA, |
| GTIN (EAN) | 4050118290844 | Tolerance class: 3, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-18-50-1A-1VA-3 HUT | Version |
| Order No. | 2511690000 | Primary current: 50 A, Secondary current max.: 1 A, Load: 1 VA, |
| GTIN (EAN) | 4050118527643 | Tolerance class: 3, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-18-75-1A-1VA-3 | Version |
| Order No. | 2420780000 | Primary current: 75 A, Secondary current max.: 1 A, Load: 1 VA, |
| GTIN (EAN) | 4050118428896 | Tolerance class: 3, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-32-400-1A-5VA-1 | Version |
| Order No. | 1481990000 | Primary current: 400 A, Secondary current max.: 1 A, Load: 5 VA, |
| GTIN (EAN) | 4050118291063 | Tolerance class: 1, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-32-400-5A-5VA-1 | Version |
| Order No. | 2420730000 | Primary current: 400 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118429046 | Tolerance class: 1, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-32-500-5A-5VA-1 | Version |
| Order No. | 2420740000 | Primary current: 500 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118428889 | Tolerance class: 1, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-32-600-1A-5VA-1 | Version |
| Order No. | 1481980000 | Primary current: 600 A, Secondary current max.: 1 A, Load: 5 VA, |
| GTIN (EAN) | 4050118290936 | Tolerance class: 1, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-32-600-5A-5VA-1 | Version |
| Order No. | 2420720000 | Primary current: 600 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118428872 | Tolerance class: 1, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-44-750-5A-5VA-1 | Version |
| Order No. | 2420710000 | Primary current: 750 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118428919 | Tolerance class: 1, Split-core current transformer |
| Qty. | 1 ST | |

UR20-3EM-230V-AC

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

www.weidmueller.com

Accessories

Plug-on current transformer - ValueLine



Plug-on current transformers

Plug-on current transformers are used wherever high currents of up to 5000A need to be measured and processed. Our plug-on current transformers supply secondary currents of 1A or 5A. Weidmüller also offers compact low-power current transformers to convert currents of up to 600 A to voltages of up to 333 mV.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | CMA-22-500-5A-5VA-0,5 | Version |
| Order No. | 1482220000 | Primary current: 500 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118291254 | Tolerance class: 0,5 |
| Qty. | 1 ST | |
| Type | CMA-22-600-5A-5VA-0,5 | Version |
| Order No. | 1482180000 | Primary current: 600 A, Secondary current max.: 5 A, Load: 5 VA, |
| GTIN (EAN) | 4050118291230 | Tolerance class: 0,5 |
| Qty. | 1 ST | |

Mini current transformer



The CMA-CTM 7 series mini current transformer is an inductive current transformer designed according to the transformer principle for circular primary conductors.

The CMA-CTM 7 series current transformers are maintenance-free and is designed for measuring primary currents in the range 32 A to 64 A. This is converted into a current up to 1 A on the secondary side.

With its small dimensions, it perfectly suits applications in a 3-phase circuit breaker with a phase separation of 17.5 mm.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | CMA-CTM-7-32-1A-0.2VA-1 | Version |
| Order No. | 2525150000 | Primary current: 32 A, Secondary current max.: 1 A, Load: 0.2 VA, |
| GTIN (EAN) | 4050118536515 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-CTM-7-40-1A-0.3VA-1 | Version |
| Order No. | 2556040000 | Primary current: 40 A, Secondary current max.: 1 A, Load: 0.3 VA, |
| GTIN (EAN) | 4050118566413 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-CTM-7-50-1A-0.4VA-1 | Version |
| Order No. | 2556030000 | Primary current: 50 A, Secondary current max.: 1 A, Load: 0.4 VA, |
| GTIN (EAN) | 4050118566406 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-CTM-7-60-1A-0.4VA-1 | Version |
| Order No. | 2556020000 | Primary current: 60 A, Secondary current max.: 1 A, Load: 0.4 VA, |
| GTIN (EAN) | 4050118566093 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |

UR20-3EM-230V-AC

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Accessories

| | | |
|------------|----------------------------|---|
| Type | CMA-CTM-7-64-1A-0.5VA-1 | Version |
| Order No. | 2556010000 | Primary current: 64 A, Secondary current max.: 1 A, Load: 0.5 VA, |
| GTIN (EAN) | 4050118566079 | Tolerance class: 1, closed current transformer |
| Qty. | 1 ST | |

Difference current transformer (Residual current monitoring, RCM)



Difference current transformer (Residual current monitoring, RCM)

This type is specialised in the detection of residual currents in 3 / 4-wire AC networks.

Its special features are:

Highly sensitive current sensor for the detection of even the smallest residual currents, fixed switching hysteresis of 5%, high safety thanks to integrated overvoltage protection and coverage of a wide frequency range.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | CMA-RCM-DACT-120 | Version |
| Order No. | 2603450000 | Residual current transformer, Primary current: 25 A, Round conductor: |
| GTIN (EAN) | 4050118665406 | 120.00 mm, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-RCM-DACT-20 | Version |
| Order No. | 2603420000 | Residual current transformer, Primary current: 25 A, Round conductor: |
| GTIN (EAN) | 4050118665420 | 20.00 mm, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-RCM-DACT-35 | Version |
| Order No. | 2603430000 | Residual current transformer, Primary current: 25 A, Round conductor: |
| GTIN (EAN) | 4050118665413 | 35.00 mm, closed current transformer |
| Qty. | 1 ST | |
| Type | CMA-RCM-DACT-60 | Version |
| Order No. | 2603440000 | Residual current transformer, Primary current: 25 A, Round conductor: |
| GTIN (EAN) | 4050118663594 | 60.00 mm, closed current transformer |
| Qty. | 1 ST | |
| Type | KCMA-RCM-23D | Version |
| Order No. | 2656270000 | Residual current transformer (RCM), Primary current: 18 A, Round |
| GTIN (EAN) | 4050118666366 | conductor: 20.00 mm, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-RCM-58D | Version |
| Order No. | 2656280000 | Residual current transformer (RCM), Primary current: 18 A, Round |
| GTIN (EAN) | 4050118666359 | conductor: 50.00 mm, Split-core current transformer |
| Qty. | 1 ST | |
| Type | KCMA-RCM-812D | Version |
| Order No. | 2656290000 | Residual current transformer (RCM), Primary current: 18 A, Round |
| GTIN (EAN) | 4050118666342 | conductor: 80.00 mm, Split-core current transformer |
| Qty. | 1 ST | |

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 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

Basic modules



General ordering data

| | | | |
|------------|----------------------------|--------------------|------------------------|
| Type | UR20-BM-SP | Version | |
| Order No. | 1350930000 | Replacement part , | Flange-mounted housing |
| GTIN (EAN) | 4050118402735 | | |
| Qty. | 5 ST | | |

Electronic modules



General ordering data

| | | | |
|------------|----------------------------|------------------|--|
| Type | UR20-EM-2007420000-SP | Version | |
| Order No. | 1562270000 | Replacement part | |
| GTIN (EAN) | 4050118367249 | | |
| Qty. | 1 ST | | |

Plugkit



General ordering data

| | | | |
|------------|----------------------------|------------------|--|
| Type | UR20-PK-2007420000-SP | Version | |
| Order No. | 2068630000 | Replacement part | |
| GTIN (EAN) | 4050118416817 | | |
| Qty. | 5 ST | | |