

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 | |
|------------|-------------------------|--|
| Order No. | <u>2920860000</u> | |
| Туре | UR20-3EM-400V-AC-333MV | |
| GTIN (EAN) | 4099986601741 | |
| Qty. | 1 items | |

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Technical data

| Approvals | CULUS | | |
|--|--|---|--|
| UL File Number Search | UL Website | | |
| Certificate no. (cULus) | E141197 | | |
| | | | |
| 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 |
| Net weight | 88 g | vvidir (mones) | 0.4020 men |
| Temperatures | | | |
| Storage temperature | -40 °C +85 °C | Operating temperature | -20 °C60 °C |
| | | - Operating temperature | 20 000 0 |
| Environmental Product Comp | lance | | |
| RoHS Compliance Status | Compliant with exemption | | |
| RoHS Exemption (if applicable/known) | 7a, 7cl | | |
| REACH SVHC | Lead 7439-92-1 | | |
| SCIP | 82327f13-cd27-455a-ab5b | -a62e1996dcf8 | |
| analogue inputs | | | |
| | | | |
| Number | 3 | Insulation | reinforced insulation |
| Resolution | 16 bit per channel (internal 24 bit), 32 bit for energy counter | Rated voltage | 520 Veff (L-L), according to table I.1 of IEC 61010-1:2010/ AMD1:2016/COR1:2019 300 Veff (L-N) |
| Frequency of the supply system | 4565 Hz | Measurement accuracy | 0.25% in relation to final value (U / I), 0.5% for the calculated values, 0.75% for harmonics |
| Analysis of harmonic | up to 43rd | Sampling rate of current measurement | Sigma Delta ADC with 1.024 MHz (bandwidth of interest from 40 Hz to 3.3 kHz) |
| Category for voltage measurements | CAT III (according to IEC 61010-1), CAT III (according to IEC 61010-1) for installations with rated voltage to earth > 300 V | Input impedance voltage | 1.881 ΜΩ |
| Module diagnosis | Yes | Individual channel 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 |

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Technical data

| Wire connection cross section, finely | 1.5 mm ² | Wire connection cross section, finely | 0.14 mm² |
|---------------------------------------|---|---|--|
| stranded, max. | 1.0 11111 | stranded, min. | 0.1411111 |
| General data | | | |
| | | | |
| 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 |
| 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 | | |
| Power supply | | | |
| | 0.41/.5000.0/./.45 | | |
| Supply voltage | 24 V DC +20 %/ -15 %, via the system bus, 24V DC +20 %/-15 % (according to IEC 61131), 24V DC +30%/-25% (according to DNV GL) | Current consumption from IIN (the respective power segment) | <35 mA |
| Current consumption from Isys, typ. | 8 mA | | |
| System data | | | |
| | | | |
| Module type | Energy measurement module | Interface | u-remote system bus |
| Galvanic isolation | 500 V DC between the current paths | Connection type | PUSH IN |
| Field bus protocol | PROFINET IRT, PROFINET RT, PROFIBUS DP-V1, EtherCAT, Modbus/TCP, EtherNet/IP, CANopen, DeviceNet, POWERLINK, CC-Link, CC-Link IE TSN | Transmission speed of system bus, ma | x. 48 Mbit |
| Classifications | | | |
| | | | 5 000400 5 |
| ETIM 6.0 | EC001605 | ETIM 7.0 | EC001605 |
| ETIM 8.0 | EC001605 | ETIM 9.0 | EC001605 |
| ETIM 10.0 | EC001605 | ECLASS 12.0 | 27-24-26-09 |
| ECLASS 13.0 | 27-24-26-09 | ECLASS 14.0 | 27-24-26-09 |
| ECLASS 15.0 | 27-24-26-09 | | |



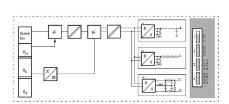
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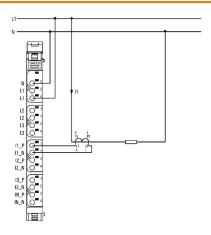
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Drawings

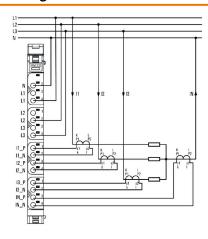
Block diagram



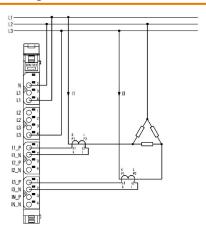
Connection diagram



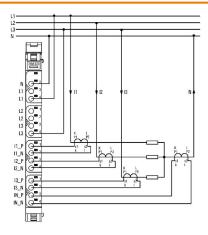
Connection diagram



Connection diagram



Connection diagram





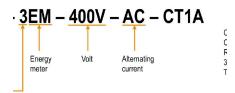


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Drawings

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Accessories

Accessories



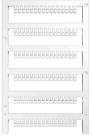
System accessory

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

| Туре | UR20-EBK-ACC | Version |
|-------------------|---------------------------|------------------|
| Order No. | <u>1346610000</u> | End bracket, , |
| GTIN (EAN) | 4050118151596 | |
| Qty. | 5 ST | |
| | | |
| Туре | UR20-SM-ACC | Version |
| Type Order No. | UR20-SM-ACC 1339920000 | Version Cover, , |
| | | |

Blank



General ordering data

| Туре | 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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Accessories

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 |
| GTIN (EAN) | 4050118126761 | in mm (P): 3.50 Weidmueller, To customer specification |
| Qty. | 192 ST | |
| | | |
| Туре | DEK 5/8-11.5 MC SDR | Version |
| Type Order No. | DEK 5/8-11.5 MC SDR 1341610000 | Version Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| • • | , | |

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

| Туре | DEK 5/8-11.5 MC NE WS | Version |
|------------|-----------------------|---|
| Order No. | <u>1341630000</u> | Dekafix, Terminal marker, 5 x 8 mm, Pitch in mm (P): 8.00 |
| GTIN (EAN) | 4050118145946 | Weidmueller, white |
| Qty. | 500 ST | |

Aluminum



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

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General ordering data

| Туре | TS 35X7.5 2M/AL/BK | Version |
|------------|--------------------|---|
| Order No. | 0330800000 | Terminal rail, Accessories, Aluminium, untreated, Width: 2000 mm, |
| GTIN (EAN) | 4008190100650 | Height: 35 mm, Depth: 7.5 mm |
| Qty. | 40 M | |



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Accessories

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

| Туре | TS 35X7.5 2M/CRN | Version |
|------------|-------------------|---|
| Order No. | <u>1747350000</u> | 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

| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | TS 35X7.5/LL 2M/ST/SZ | Version |
| Order No. | <u>7915060000</u> | 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 | |
| Туре | TS 35X7.5/LL 2M/ST/SZ | |

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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

| Туре | CMA-101-2500-5A-10VA-0,5 | Version |
|------------|--------------------------|--|
| Order No. | <u>2680250000</u> | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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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UR20-3EM-400V-AC-333MV

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|------------|-------------------------------|--|
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | 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 | Totalido diado. 9,5, diodea dall'off trafficient |
| Туре | 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 | Tolorance class. 1, closed current transformer |
| Туре | CMA-31-75-5A-2,5VA-1 | Version |
| Order No. | 1482040000 | Primary current: 75 A, Secondary current max.: 5 A, Load: 2.5 VA, |
| | 4050118291087 | |
| GTIN (EAN) | 1 ST | Tolerance class: 1, closed current transformer |
| Qty. | | v · |
| Type | CMA-31-750-5A-5VA-0,5 | Version |
| Order No. | <u>1482080000</u> | 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 | |
| Туре | 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 | |
| Туре | CMA-41-1000-5A-5VA-0,5 | Version |
| Order No. | <u>2680210000</u> | Primary current: 1000 A, Secondary current max.: 5 A, Load: , |
| GTIN (EAN) | 4050118696547 | Tolerance class: , closed current transformer |
| Qty. | 1 ST | |
| Туре | 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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Accessories

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

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

| | - · · J · · · · | |
|------------|-------------------------|---|
| Туре | KCMA-18-100-1A-1,25VA-3 | Version |
| Order No. | <u>1482010000</u> | 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 | |
| Туре | 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 | |
| Туре | 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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Weidmüller **₹**

UR20-3EM-400V-AC-333MV Weidmüller Interface GmbH & Co. KG

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Accessories

| Туре | 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 | |
| Туре | KCMA-18-250-1A-4VA-3 | Version |
| Order No. | <u>2420750000</u> | 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 | |
| Туре | 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 | |
| Туре | KCMA-18-50-1A-1VA-3 HUT | Version |
| Order No. | <u>2511690000</u> | 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 | , |
| Туре | 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 | Total and Glado. G, Opin Gold Garrott datatornion |
| Туре | 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 |
| ` ' | 1 ST | Tolerance class. 1, Spirecore current transformer |
| Qty. | | w · |
| Туре | KCMA-32-400-5A-5VA-1 | Version 5.4.1.4.5.VA |
| 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 | |
| Туре | KCMA-32-500-5A-5VA-1 | Version |
| Order No. | <u>2420740000</u> | 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 | |
| Туре | 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 | |
| Туре | 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 | |
| Туре | KCMA-44-750-5A-5VA-1 | Version |
| Order No. | <u>2420710000</u> | 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 | |
| | | |



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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 | |
| | | |
| Туре | CMA-22-600-5A-5VA-0,5 | Version |
| Type Order No. | CMA-22-600-5A-5VA-0,5 1482180000 | Version Primary current: 600 A, Secondary current max.: 5 A, Load: 5 VA, |
| | , | |

Mini current transformer



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

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

| Туре | CMA-CTM-7-32-1A-0.2VA-1 | Version |
|---|---|---|
| Order No. | <u>2525150000</u> | 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 | |
| Туре | CMA-CTM-7-40-1A-0.3VA-1 | Version |
| Order No. | <u>2556040000</u> | 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 | |
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| Туре | CMA-CTM-7-50-1A-0.4VA-1 | Version |
| | | Version Primary current: 50 A, Secondary current max.: 1 A, Load: 0.4 VA, |
| Туре | CMA-CTM-7-50-1A-0.4VA-1 | |
| Type Order No. | CMA-CTM-7-50-1A-0.4VA-1 2556030000 | Primary current: 50 A, Secondary current max.: 1 A, Load: 0.4 VA, |
| Type Order No. GTIN (EAN) | CMA-CTM-7-50-1A-0.4VA-1 2556030000 4050118566406 | Primary current: 50 A, Secondary current max.: 1 A, Load: 0.4 VA, |
| Type Order No. GTIN (EAN) Oty. | CMA-CTM-7-50-1A-0.4VA-1 <u>2556030000</u> 4050118566406 1 ST | Primary current: 50 A, Secondary current max.: 1 A, Load: 0.4 VA, Tolerance class: 1, closed current transformer |
| Type Order No. GTIN (EAN) Oty. Type | CMA-CTM-7-50-1A-0.4VA-1 2556030000 4050118566406 1 ST CMA-CTM-7-60-1A-0.4VA-1 | Primary current: 50 A, Secondary current max.: 1 A, Load: 0.4 VA, Tolerance class: 1, closed current transformer Version |

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Accessories

 Type
 CMA-CTM-7-64-1A-0.5VA-1
 Version

 Order No.
 25560 10000
 Primary current: 64 A, Secondary current max.: 1 A, Load: 0.5 VA,

 GTIN (EAN)
 4050118566079
 Tolerance class: 1, closed current transformer

 Oty.
 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

| | - · · J · · · · | |
|------------|-------------------|---|
| Туре | 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 | |
| Туре | 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 | |
| Туре | CMA-RCM-DACT-35 | Version |
| Order No. | <u>2603430000</u> | Residual current transformer, Primary current: 25 A, Round conductor: |
| GTIN (EAN) | 4050118665413 | 35.00 mm, closed current transformer |
| Qty. | 1 ST | |
| Туре | CMA-RCM-DACT-60 | Version |
| Order No. | <u>2603440000</u> | Residual current transformer, Primary current: 25 A, Round conductor: |
| GTIN (EAN) | 4050118663594 | 60.00 mm, closed current transformer |
| Qty. | 1 ST | |
| Туре | KCMA-RCM-23D | Version |
| Order No. | <u>2656270000</u> | Residual current transformer (RCM), Primary current: 18 A, Round |
| GTIN (EAN) | 4050118666366 | conductor: 20.00 mm, Split-core current transformer |
| Qty. | 1 ST | |
| Туре | KCMA-RCM-58D | Version |
| Order No. | <u>2656280000</u> | Residual current transformer (RCM), Primary current: 18 A, Round |
| GTIN (EAN) | 4050118666359 | conductor: 50.00 mm, Split-core current transformer |
| Qty. | 1 ST | |
| Туре | KCMA-RCM-812D | Version |
| Order No. | <u>2656290000</u> | 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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Accessories

Basic modules



General ordering data

Туре UR20-BM-SP Version Order No. 1350930000

GTIN (EAN) 4050118402735 Qty. 5 ST

Replacement part, , Flange-mounted housing