

**CMA-3151-100-AO-24DC-05****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

**Current transformer with analogue output**

The simple conversion of "large" currents (100 - 500 A AC) into an analogue value without intermediate steps. Suitable for downstream devices, e.g. limit value detection.

**General ordering data**

|            |  |
|------------|--|
| Version    | Primary current: 100 A, Output : 0(4)-20 mA, 0(2)-10 V, Load: 1 VA |
| Order No.  | <a href="#">1531940000</a>   |
| Type       | CMA-3151-100-AO-24DC-05  |
| GTIN (EAN) | 4050118337211  |
| Qty.       | 1 pc(s).   |

## CMA-3151-100-AO-24DC-05

Weidmüller Interfaces GmbH &amp; Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Depth      | 71 mm    | Depth (inches)  | 2.795 inch |
| Height     | 117.8 mm | Height (inches) | 4.638 inch |
| Width      | 80 mm    | Width (inches)  | 3.15 inch  |
| Net weight | 250 g    |                 |            |

## Temperatures

|                       |               |
|-----------------------|---------------|
| Operating temperature | -5 °C...40 °C |
|-----------------------|---------------|

## Dimensions of live conductors

|                 |       |      |            |
|-----------------|-------|------|------------|
| Round conductor | 28 mm | Rail | 30 x 10 mm |
|-----------------|-------|------|------------|

## Electrical attributes

|                        |       |                         |       |
|------------------------|-------|-------------------------|-------|
| Load                   | 1 VA  | Primary current         | 100 A |
| Secondary current max. | 20 mA | Secondary current, min. | 4 mA  |
| Tolerance class        | 0,5   |                         |       |

## Technical data

|                |                |
|----------------|----------------|
| Voltage supply | 24 V DC ± 15 % |
|----------------|----------------|

## Technical properties

|   |                               |                   |       |
|---|-------------------------------|-------------------|-------|
| Insulation class                                      | E                             | Nominal frequency | 50 Hz |
| Thermal rated continuous current $I_{\text{thermal}}$ | $1.5 \times I_{\text{rated}}$ |                   |       |

## Insulation coordination

|                    |                      |              |      |
|--------------------|----------------------|--------------|------|
| Galvanic isolation | between input/output | Test voltage | 4 kV |
| Tolerance class    | 0,5                  |              |      |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002048    | ETIM 7.0    | EC002048    |
| ETIM 8.0    | EC002048    | ECLASS 9.0  | 27-21-09-02 |
| ECLASS 9.1  | 27-21-09-02 | ECLASS 10.0 | 27-21-09-02 |
| ECLASS 11.0 | 27-21-09-02 | ECLASS 12.0 | 27-21-09-02 |

## Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

## Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">SWMU_Konformitaetserklaerung_DE_EN_FR_ES</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                 |