



Current  
trasformers KIT -  
3  
DM1TP0100FKIT  
with UTF  
certificate  
DM1TP0100FKIT

Product designation

Product type designation

Auxiliary supply  $U_s$

Operational frequency

|     |    |    |
|-----|----|----|
| min | Hz | 50 |
| max | Hz | 60 |

#### Current inputs

|                               |   |     |
|-------------------------------|---|-----|
| Primary current $I_{pn}$ (/5) | A | 100 |
|-------------------------------|---|-----|

|                          |   |   |
|--------------------------|---|---|
| Secondary output current | A | 5 |
|--------------------------|---|---|

|                             |   |     |
|-----------------------------|---|-----|
| Overload withstand $I_{pn}$ | % | 120 |
|-----------------------------|---|-----|

Burden

|          |    |      |
|----------|----|------|
| cl. 0.5s | VA | 2.5  |
| cl. 0.5  | VA | 3.75 |

#### Insulations

|                                       |   |     |
|---------------------------------------|---|-----|
| Rated insulation voltage $U_i$ IEC/EN | V | 720 |
|---------------------------------------|---|-----|

|                                               |                |         |
|-----------------------------------------------|----------------|---------|
| IEC rated short-time thermal current $I_{th}$ | $I_{th}$ for s | 40...60 |
|-----------------------------------------------|----------------|---------|

|                                     |                |     |
|-------------------------------------|----------------|-----|
| IEC rated dynamic current $I_{dyn}$ | $I_{th}$ for s | 2.5 |
|-------------------------------------|----------------|-----|

|                     |         |
|---------------------|---------|
| Insulation dry type | Class E |
|---------------------|---------|

#### Mechanical features

|                |       |
|----------------|-------|
| Terminals type | Screw |
|----------------|-------|

|        |                         |
|--------|-------------------------|
| Fixing | DIN rail or by<br>Screw |
|--------|-------------------------|

|        |   |     |
|--------|---|-----|
| Weight | g | 480 |
|--------|---|-----|

#### Ambient conditions

Temperature

Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -25 |
| max | °C | +50 |

Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -40 |
| max | °C | +80 |

|                   |   |    |
|-------------------|---|----|
| Relative humidity | % | 90 |
|-------------------|---|----|

|                   |      |
|-------------------|------|
| Protection degree | IP30 |
|-------------------|------|

#### Certifications and compliance

Compliance

IEC/EN 61869-1

IEC/EN 61869-2

#### ETIM classification

ETIM 8.0

EC002048 -  
Current  
transformer