



Product designation

Product type designation

Type of CT

Current  
transformers  
DM0T0100  
Solid-core

### Current inputs

|                                      |             |                      |
|--------------------------------------|-------------|----------------------|
| Primary current I <sub>pn</sub> (/5) | A           | 100                  |
| Operational frequency                | min<br>max  | Hz<br>Hz<br>50<br>60 |
| Secondary output current             | A           | 5                    |
| Overload withstand I <sub>pn</sub>   | %           | 120                  |
| Burden                               | cl. 1<br>VA | 1.5                  |

### Insulations

|                                                      |                       |         |
|------------------------------------------------------|-----------------------|---------|
| Rated insulation voltage U <sub>i</sub> IEC/EN       | V                     | 720     |
| IEC rated short-time thermal current I <sub>th</sub> | I <sub>th</sub> for s | 40...60 |
| IEC rated dynamic current I <sub>dyn</sub>           | I <sub>th</sub> for s | 2.5     |
| Insulation dry type                                  |                       | Class E |

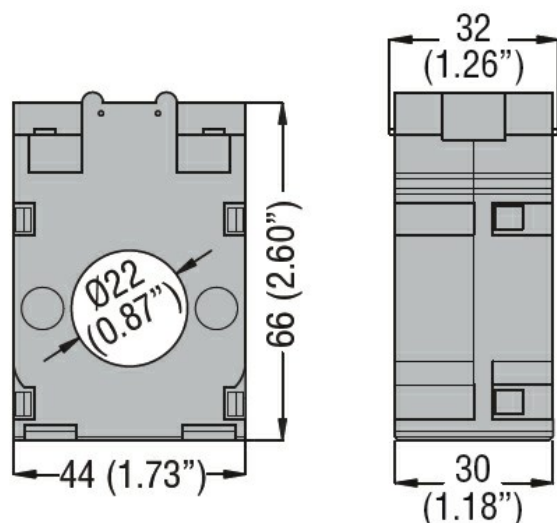
### Mechanical features

|                |   |                         |
|----------------|---|-------------------------|
| Terminals type |   | Screw                   |
| Fixing         |   | DIN rail or by<br>Screw |
| Weight         | g | 200                     |

### Ambient conditions

|                   |                       |            |          |            |
|-------------------|-----------------------|------------|----------|------------|
| Temperature       | Operating temperature | min<br>max | °C<br>°C | -25<br>+50 |
|                   | Storage temperature   | min<br>max | °C<br>°C | -40<br>+80 |
| Relative humidity |                       |            | %        | 90         |
| Protection degree |                       |            |          | IP30       |

### Dimensions



### Certifications and compliance

#### Certifications

IEC/EN/BS 61869-1

IEC/EN/BS 61869-2

#### Compliance

EAC

### ETIM classification

EC000066 - Power contactor, AC switching

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