



## Current transformers DM series

## Solid core



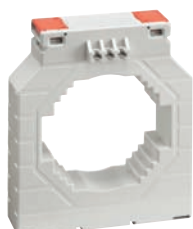
DM1T...



DM2T...



DM3T...



DM4T...



DM5T...

On request, UTF certifiable.

Order code	Primary current I <sub>pn</sub>	Burden		Qty per pkg	Weight
		cl. 0.5	cl. 1		
	/5 [A]	[VA]	[VA]	n°	[kg]

For Ø22mm cable.

<b>DM1T 0050</b>	50	—	1.5	1	0.200
<b>DM1T 0060</b>	60	—	2	1	0.200
<b>DM1T 0080</b>	80	—	2.5	1	0.200
<b>DM1T 0100</b>	100	—	2.5	1	0.200
<b>DM1T 0150</b>	150	—	2.5	1	0.200

For Ø23mm cable.

For 30x10mm, 25x12.5mm, 20x15mm busbars.

<b>DM2T 0060</b>	60	—	1	1	0.130
<b>DM2T 0080</b>	80	—	1	1	0.130
<b>DM2T 0100</b>	100	—	1.5	1	0.130
<b>DM2T 0150</b>	150	—	1.5	1	0.130
<b>DM2T 0200</b>	200	—	2.5	1	0.130
<b>DM2T 0250</b>	250	—	2.5	1	0.130
<b>DM2T 0300</b>	300	1.5	3	1	0.130
<b>DM2T 0400</b>	400	2	3	1	0.130

For Ø30mm cable.

For 40x10mm, 30x20mm, 25x25mm busbars.

<b>DM3T 0200</b>	200	—	5	1	0.260
<b>DM3T 0250</b>	250	—	5	1	0.260
<b>DM3T 0300</b>	300	2.5	5	1	0.260
<b>DM3T 0400</b>	400	2.5	5	1	0.260
<b>DM3T 0500</b>	500	2.5	5	1	0.260
<b>DM3T 0600</b>	600	5	10	1	0.260
<b>DM3T 0800</b>	800	5	10	1	0.260
<b>DM3T 1000</b>	1000	5	10	1	0.260

For Ø86mm cable.

For 100x30mm, 80x50mm, 70x60mm busbars.

<b>DM4T 1200</b>	1200	15	30	1	0.700
<b>DM4T 1250</b>	1250	15	30	1	0.760
<b>DM4T 1500</b>	1500	30	30	1	0.760
<b>DM4T 1600</b>	1600	30	30	1	0.800
<b>DM4T 2000</b>	2000	45	45	1	0.840
<b>DM4T 2500</b>	2500	45	45	1	0.900
<b>DM4T 3000</b>	3000	45	45	1	0.900
<b>DM4T 3500</b>	3500	50	50	1	0.900
<b>DM4T 4000</b>	4000	50	50	1	0.900

Order code	Primary current I <sub>pn</sub>	Burden		Qty per pkg	Weight
		cl. 0.5s	cl. 0.5		
	/5 [A]	[VA]	[VA]	n°	[kg]

For Ø28mm cable.

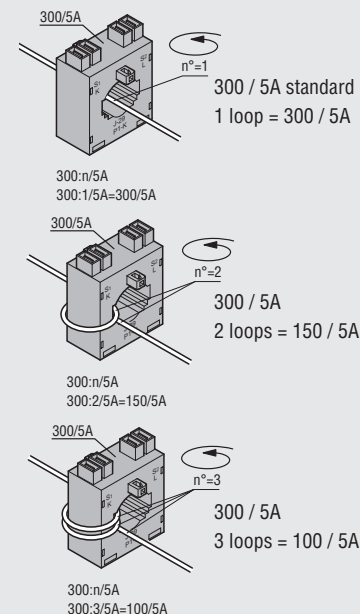
For 21.5x21.5mm, 26x26mm, 31.5x31.5mm busbars.

<b>DM5T 0060</b>	60	1.5	1.5	1	0.560
<b>DM5T 0080</b>	80	2.5	2.5	1	0.580
<b>DM5T 0100</b>	100	2.5	3.75	1	0.480
<b>DM5T 0150</b>	150	2.5	3.75	1	0.480
<b>DM5T 0200</b>	200	2.5	3.75	1	0.460
<b>DM5T 0250</b>	250	2.5	5	1	0.480
<b>DM5T 0300</b>	300	2.5	5	1	0.480

On request, UTF certifiable.

## General characteristics

The DM... series current transformers (CT) are installed in electric systems to reduce the line current to a secondary value of 5A, which is compatible with current inputs of digital multimeters or protection relays. These are without primary winding and are used for high primary current values from 50A upward. The number of loops of the primary cable does not modify the accuracy but converts the primary current value proportionally to secondary current.



## Operational characteristics

- Operating frequency: 50-60Hz
- Secondary output current: 5A
- Overload withstand: 120% I<sub>pn</sub>
- Rated insulation voltage U<sub>i</sub>: 720V
- Rated short time thermal current I<sub>th</sub>: 40-60I<sub>pn</sub> for 1 second
- Rated dynamic current I<sub>dyn</sub>: 2.5I<sub>th</sub> for 1 second
- Insulation (dry type): class E
- Terminals:
  - Faston for DM1T, DM2T and DM3T
  - Screw for DM4T and DM5T
- Sealable terminal covers for DM4T and DM5T only
- Degree of protection: IP30
- Ambient conditions:
  - Operating temperature: -25 ... +50°C
  - Storage temperature: -40 ... +80°C
  - Relative humidity, non condensing: 90%.

## Reference standards

Compliant with standards: IEC/EN 60044-1.

## Split core



DM1TA...



DM2TA...



DM3TA...



DM4TA...

Order code	Primary current I <sub>pn</sub>	Burden		Qty per pkg	Weight
		cl. 0.5	cl. 1		

For 50x80mm busbars.					
DM1TA 0250	250	1	2	1	0.900
DM1TA 0300	300	1.5	3	1	0.900
DM1TA 0400	400	1.5	3	1	0.900
DM1TA 0500	500	2.5	5	1	0.900
DM1TA 0600	600	2.5	5	1	0.900
DM1TA 0750	750	3	6	1	0.900
DM1TA 0800	800	3	7.5	1	0.900
DM1TA 1000	1000	5	10	1	0.900

For 80x80mm busbars.					
DM2TA 0250	250	1	2	1	1.050
DM2TA 0300	300	1.5	3	1	1.050
DM2TA 0400	400	1.5	3	1	1.050
DM2TA 0500	500	2.5	5	1	1.050
DM2TA 0600	600	2.5	5	1	1.050
DM2TA 0750	750	3	6	1	1.050
DM2TA 0800	800	3	7.5	1	1.050
DM2TA 1000	1000	5	10	1	1.050

For 80x120mm busbars.					
DM3TA 0500	500	—	4	1	1.250
DM3TA 0600	600	—	5	1	1.250
DM3TA 0750	750	2.5	6	1	1.250
DM3TA 0800	800	3	7.5	1	1.250
DM3TA 1000	1000	5	10	1	1.250
DM3TA 1200	1200	6	12.5	1	1.250
DM3TA 1250	1250	7.5	15	1	1.250
DM3TA 1500	1500	8	17	1	1.250

For 80x160mm busbars.					
DM4TA 2000	2000	15	20	1	3.160
DM4TA 2500	2500	15	20	1	3.340
DM4TA 3000	3000	20	25	1	3.500
DM4TA 4000	4000	20	25	1	3.760

### General characteristics

The DM... series current transformers (CT) are installed in electric systems to reduce the line current to a secondary value of 5A, which is compatible with current inputs of digital multimeters or protection relays. These are without primary winding and are used for high primary current values from 250A upward. The number of loops of the primary cable does not modify the accuracy but converts the primary current value proportionally to secondary current.

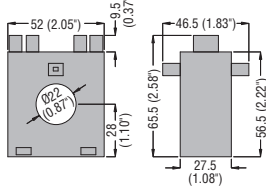
### Operational characteristics

- Operating frequency: 50-60Hz
- Secondary output current: 5A
- Overload withstand: 120% I<sub>pn</sub>
- Rated insulation voltage U<sub>i</sub>: 720V
- Rated short time thermal current I<sub>th</sub>: 40-60I<sub>pn</sub> for 1 second
- Rated dynamic current I<sub>dyn</sub>: 2.5I<sub>th</sub> for 1 second
- Insulation (dry type): class E
- Screw terminals
- Sealable terminal covers
- Degree of protection: IP30
- Ambient conditions:
  - Operating temperature: -25 ... +50°C
  - Storage temperature: -40 ... +80°C
  - Relative humidity, non condensing: 90%.

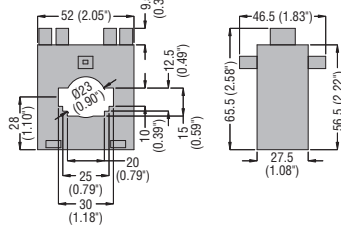
### Reference standards

Compliant with standards: IEC/EN 60044-1.

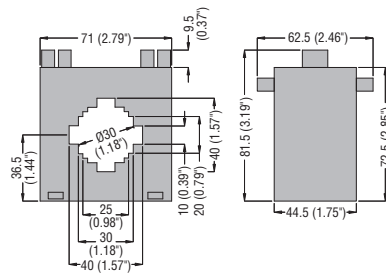
**DM1T...**



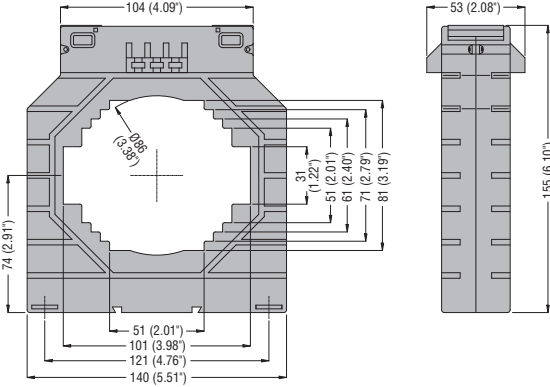
**DM2T...**



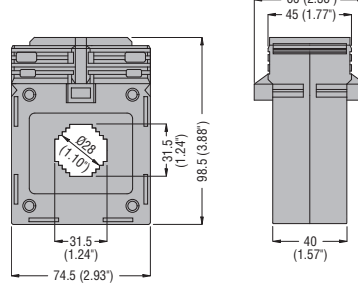
**DM3T...**



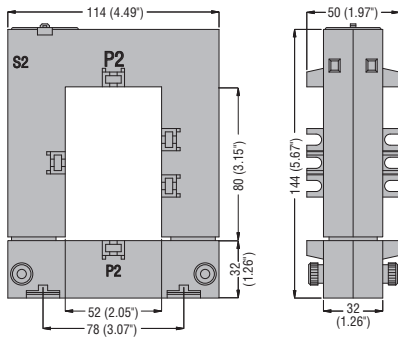
**DM4T...**



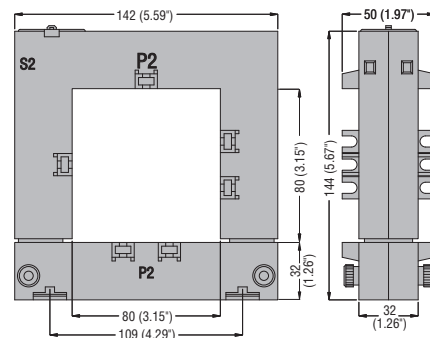
**DM5T...**



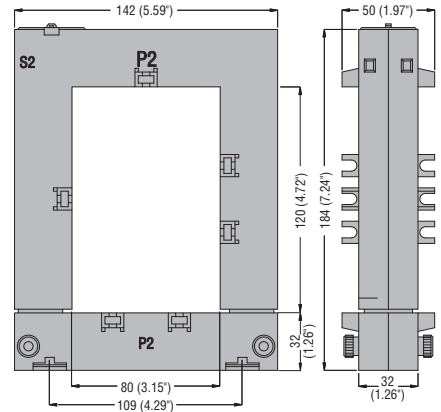
**DM1TA...**



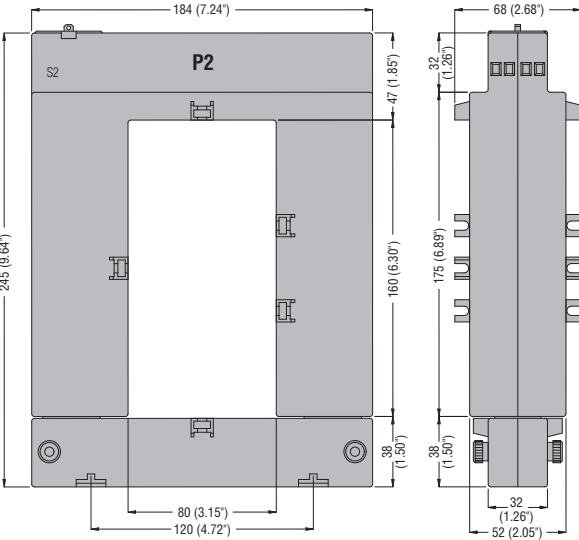
**DM2TA...**



**DM3TA...**



**DM4TA...**





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