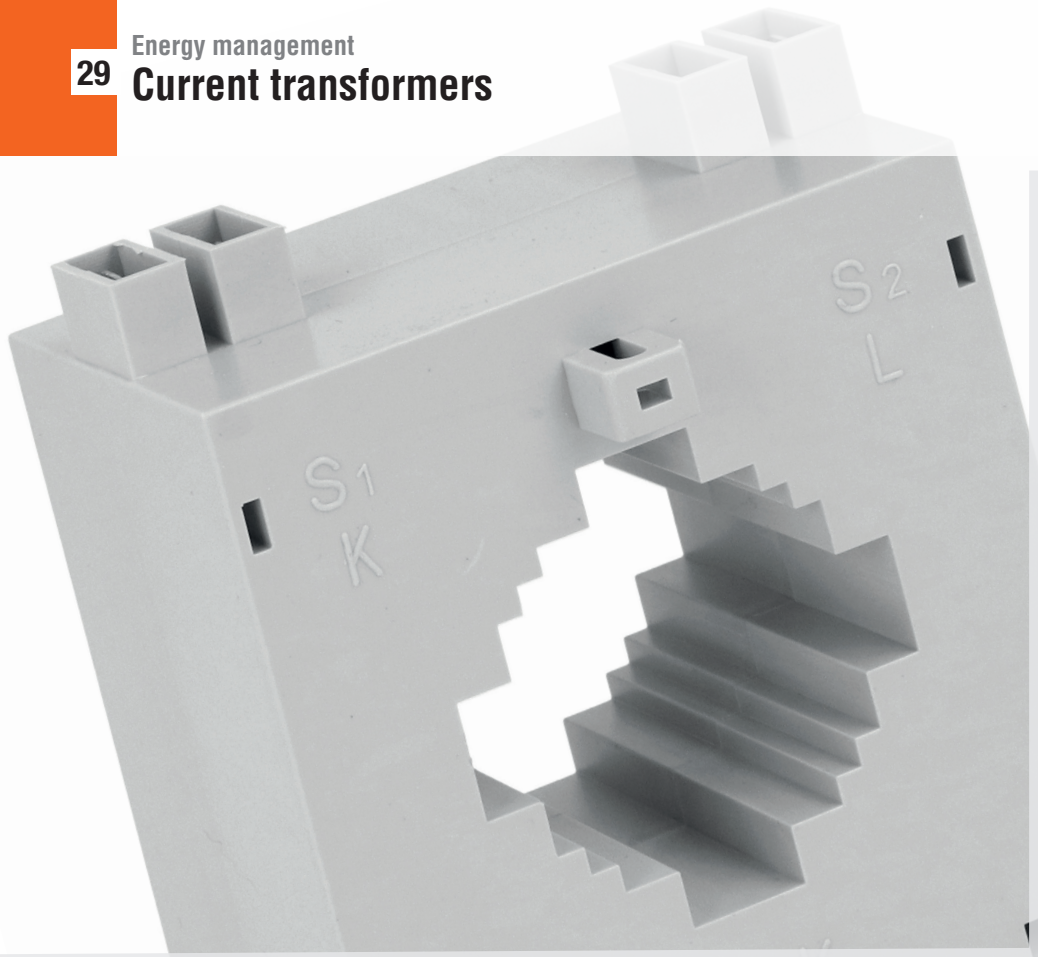
Current transformers



- Primary current: 5...6000A
- Secondary current: 5A
- Solid and split-core types
- Instrument and accuracy versions
- Wound primary CT for low currents
- Busbar versions.

Current transformers — SEC. - PAGE

Wound primary type ..... 29 - 2
Solid-core ..... 29 - 2
Solid-core for busbars ..... 29 - 4
Accuracy solid-core ..... 29 - 5
Current transformer kit with UTF certificates ..... 29 - 6
Split-core ..... 29 - 7
Compact prewired split-core ..... 29 - 7

Dimensions ..... 29 - 8

Wound primary type



DM0TW...

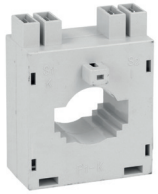
Order code	Primary current Ipn	Burden cl. 0.5	Burden cl. 1	Burden cl. 3	Qty per pkg	Wt
	/5 [A]	[VA]	[VA]	[VA]	n°	[kg]
Screw primary terminals.						
DM0TW0005	5	1.5	2.5	–	1	0.525
DM0TW0010	10	1.5	2.5	–	1	0.525
DM0TW0020	20	1.5	2.5	–	1	0.525
DM0TW0030	30	1.5	2.5	–	1	0.525

Solid-core



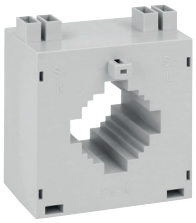
DM0T...

Order code	Primary current Ipn	Burden cl. 0.5	Burden cl. 1	Burden cl. 3	Qty per pkg	Wt
	/5 [A]	[VA]	[VA]	[VA]	n°	[kg]
For Ø22mm/0.87" cable.						
DM0T0040	40	—	—	1.25	1	0.200
DM0T0050	50	—	1.25	—	1	0.200
DM0T0060	60	—	1.5	—	1	0.200
DM0T0080	80	—	1.5	—	1	0.200
DM0T0100	100	—	1.5	—	1	0.200
DM0T0150	150	—	2	—	1	0.200



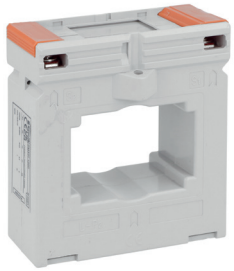
DM2T...

Order code	Primary current Ipn	Burden cl. 0.5	Burden cl. 1	Qty per pkg.	Wt
	/5 [A]	[VA]	[VA]	n°	[kg]
For Ø23mm/0.90" cable. For 30x10mm/1.18x0.39", 25x12.5mm/0.98x0.49", 20x15mm/0.79x0.59" busbars, width 52mm/2.05".					
DM2T0100	100	—	1	1	0.130
DM2T0150	150	—	1.5	1	0.130
DM2T0200	200	—	2	1	0.130
DM2T0250	250	—	2.5	1	0.130
DM2T0300	300	1.5	3	1	0.130
DM2T0400	400	2	3	1	0.130



DM3T...

Order code	Primary current Ipn	Burden cl. 0.5	Burden cl. 1	Qty per pkg.	Wt
	/5 [A]	[VA]	[VA]	n°	[kg]
For Ø30mm/1.18" cable. For 40x10mm/1.57x0.39", 30x20mm/1.18x0.79", 25x25mm/0.98x0.98" busbars, width 71mm/2.79".					
DM3T0200	200	—	5	1	0.260
DM3T0250	250	—	5	1	0.260
DM3T0300	300	2.5	5	1	0.260
DM3T0400	400	2.5	5	1	0.260
DM3T0500	500	2.5	5	1	0.260
DM3T0600	600	5	10	1	0.260
DM3T0800	800	5	10	1	0.260



DM33...

Order code	Primary current Ipn	Burden cl. 0.5	Burden cl. 1	Qty per pkg.	Wt
	/5 [A]	[VA]	[VA]	n°	[kg]
For Ø44mm/1.73" cable. For 51x41mm/2.01x1.61", 61x31mm/2.40x1.22" busbars, width 95mm/3.74".					
DM33T0800	800	5	10	1	0.476
DM33T1000	1000	5	15	1	0.476
DM33T1200	1200	5	15	1	0.476

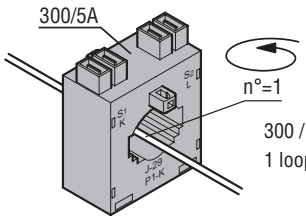


DM34...

Order code	Primary current Ipn	Burden cl. 0.5	Burden cl. 1	Qty per pkg.	Wt
	/5 [A]	[VA]	[VA]	n°	[kg]
For Ø44mm/1.73" cable. For 69x10mm/2.72x0.39", 50x30mm/1.97x1.18" busbars, width 95mm/3.74".					
DM34T1500	1500	5	15	1	0.476
DM34T1600	1600	5	15	1	0.476

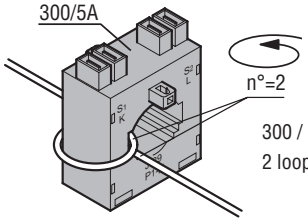
General characteristics

The current transformers (CTs) in the DM series are installed in an electrical system to reduce the line current to a secondary value of 5A compatible with the ammeter inputs of the digital multimeters or protection relays.
DM0TW... are instrument transformers in class 1/0.5 wound primary type and are normally used for low primary current values starting from 5A.
DM... are instrument transformers in class 1/0.5 without a primary winding and are normally used for high primary current values starting from 40A.
The number of loops of the primary cable does not modify the accuracy but converts the primary current value proportional to secondary current.



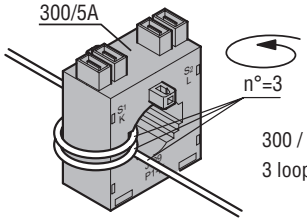
300 / 5A standard
1 loop = 300 / 5A

300:n/5A
300:1/5A=300/5A



300 / 5A
2 loops = 150 / 5A

300:n/5A
300:2/5A=150/5A



300 / 5A
3 loops = 100 / 5A

300:n/5A
300:3/5A=100/5A

Operational characteristics

- Operating frequency: 50...60Hz
- Secondary output current: 5A
- Overload withstand: 120% Ipn
- IEC rated insulation voltage Ui: 720V
- IEC rated short-time thermal current Ith: 40...60 Ipn for 1 second
- IEC rated dynamic current Idyn: 2.5 Ith for 1 second
- Insulation (dry type): Class E
- Terminals:
  - Faston for DM2T... and DM3T... types
  - Screw for DM0T..., DM33T and DN34T... types
- Sealable terminal covers for DM33T..., DM34T... types
- Fixing on 35mm DIN rail (IEC/EN/BS 60715) or by screws (fixing elements standard supplied with the product)
- EN degree of protection: IP30
- Ambient conditions:
  - Operating temperature: -25...+50°C
  - Storage temperature: -40...+80°C
  - Relative humidity, non condensing: 90%.

Certifications and compliance

Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 61869-2, IEC/EN/BS 61869-1.

Dimensions page 29-8

Solid-core



DM35T...



DM37...

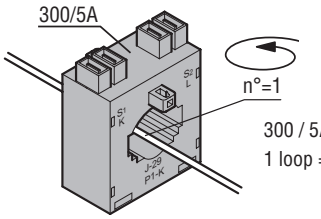


DM4T...

Order code	Primary current Ipn	Burden cl. 0.5	Burden cl. 1	Qty per pkg	Wt
	/5 [A]	[VA]	[VA]	n°	[kg]
For Ø66mm/2.60" cable. For 80x12,5mm/3.15"x0.49", 60x30mm/2.36x1.18", 50x50mm/1.97x1.97" busbars, width 105mm/4.13".					
DM35T0400	400	—	5	1	0.460
DM35T0500	500	5	5	1	0.460
DM35T0600	600	5	10	1	0.460
DM35T0800	800	10	15	1	0.460
DM35T1000	1000	15	20	1	0.460
DM35T1250	1250	15	20	1	0.460
For 101x56mm/3.98x2.20" busbars, width 128mm/5.04".					
DM37T2000	2000	10	15	1	1.000
DM37T2250	2250	10	15	1	1.000
DM37T2500	2500	10	15	1	1.000
DM37T3000	3000	10	15	1	1.000
For Ø86mm/3.38" cable. For 100x30mm/3.94x1.18", 80x50mm/3.15x1,97", 70x60mm/2.75x2.36" busbars, width 140mm/5.51".					
DM4T1000	1000	10	20	1	0.700
DM4T1250	1250	15	30	1	0.760
DM4T1500	1500	20	30	1	0.760
DM4T1600	1600	20	30	1	0.800
DM4T2000	2000	30	45	1	0.840
DM4T2500	2500	35	45	1	0.900
DM4T3000	3000	45	45	1	0.900
DM4T3500	3500	50	50	1	0.900
DM4T4000	4000	50	50	1	0.900

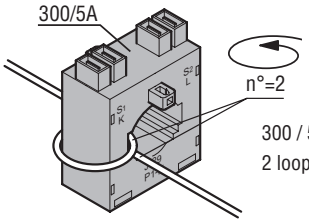
General characteristics

The current transformers (CTs) in the DM series are installed in an electrical system to reduce the line current to a secondary value of 5A compatible with the ammeter inputs of the digital multimeters or protection relays.
DM... are instrument transformers in class 1/0.5 without a primary winding and are normally used for high primary current values starting from 50A.
The number of loops of the primary cable does not modify the accuracy but converts the primary current value proportional to secondary current.



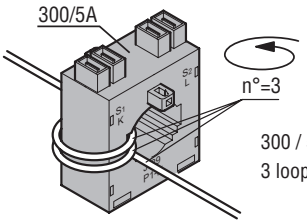
300 / 5A standard
1 loop = 300 / 5A

300:n/5A
300:1/5A=300/5A



300 / 5A
2 loops = 150 / 5A

300:n/5A
300:2/5A=150/5A



300 / 5A
3 loops = 100 / 5A

300:n/5A
300:3/5A=100/5A

Operational characteristics

- Operating frequency: 50...60Hz
- Secondary output current: 5A
- Overload withstand: 120% Ipn
- IEC rated insulation voltage Ui: 720V
- IEC rated short-time thermal current Ith: 40...60 Ipn for 1 second
- IEC rated dynamic current Idyn: 2.5 Ith for 1 second
- Insulation (dry type): Class E
- Terminals:
  - Screw for DM35T..., DM37T... and DM4T... types
- Sealable terminal covers only for DM35T... and DM4T... types
- Fixing on 35mm DIN rail (IEC/EN/BS 60715) or by screws (fixing elements standard supplied with the product)
- EN degree of protection: IP30
- Ambient conditions:
  - Operating temperature: -25...+50°C
  - Storage temperature: -40...+80°C
  - Relative humidity, non condensing: 90%.

Certifications and compliance

Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 61869-2, IEC/EN/BS 61869-1.

Solid-core for busbars


DM25T...


DM31T...


DM36T...


DM38T...


DM39T...


DM6T...

Order code	Primary current Ipn	Burden cl. 0.5	Burden cl. 1	Qty per pkg	Wt
	/5 [A]	[VA]	[VA]	n°	[kg]
For Ø24mm/0.94" cable. For 11x24mm/0.43x0.94", 20x15mm/0.79x0.59", 33X11mm/1.30x0.43" busbars. Width: 56mm/2.20".					
DM25T400	400	10	12	1	0.307
DM25T600	600	12	15	1	0.332
18x51mm/0.71x2.01", 24x41mm/0.94x1.61", 11x36mm/0.43x1.42", 30x33mm/1.18"x1.30" busbars. Width: 85mm/3.35".					
DM31T1000	1000	50	80	1	0.794
30X51mm/1.18"x2.01", 41x41mm/1.16"x1.61" busbars. Width: 85mm/3.35".					
DM36T1200	1200	12	16	1	0.807
DM36T1500	1500	16	20	1	0.969
64x64mm/2.52x2.52" busbars. Width: 118mm/4.64".					
DM38T1500	1500	15	20	1	0.554
DM38T2000	2000	16	25	1	0.583
DM38T2500	2500	20	300	1	0.650
102x55mm/4.01x2.16" busbars. Width: 129mm/5.08".					
DM39T3000	3000	35	40	1	0.971
DM39T4000	4000	35	40	1	1.148
127x225mm/5x10" busbars. Width: 185mm7.28".					
DM6T4000	4000	50	100	1	3.200
DM6T5000	5000	100	180	1	3.500
DM6T6000	6000	100	180	1	3.600

Accessories

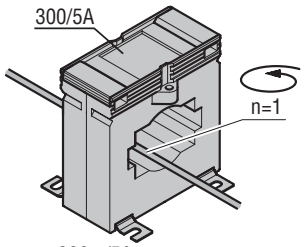

DMX01


DMX02

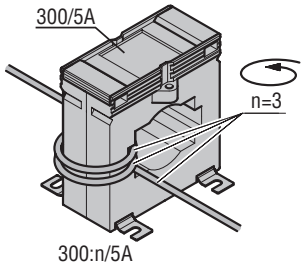
Order code	Description	Qty per pkg	Wt
		n°	[kg]
Sealable terminal covers for solid-core current transformers for busbars.			
DMX01	For DM25T..., DM39T..., DM6T...	1	0.011
DMX02	For DM38T...	1	0.013

General characteristics

The DM...type current transformers (CTs) are installed in an electrical system to reduce the line current to a secondary value of 5A compatible with the ammeter inputs of the digital multimeters or protection relays.
DM...are instrument transformers in class 1/0.5 without a primary winding and are normally used for high primary current values starting from 400A.
The number of loops of the primary cable does not modify the accuracy but converts the primary current value proportional to secondary current.
The solid-core current transformers for busbars are designed for applications with power distribution busbars. Thanks to their optimized dimensions, they perfectly fit the spacings and geometries of power distribution panels, making installation easier in limited spaces.



300:n/5A
300:1/5A=300/5A



300:n/5A
300:3/5A=100/5A

Operational characteristics

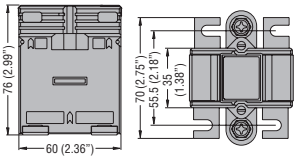
- Operating frequency: 50...60Hz
- Secondary output current: 5A
- Overload withstand: 100% Ipn
- IEC rated insulation voltage Ui: 720V
- IEC rated short-time thermal current Ith: 40...60 Ipn for 1 second
- IEC rated dynamic current Idyn: 2.5 Ith for 1 second
- Insulation (dry type): Class E
- Terminals:
  - Screw for DM25T..., DM38T..., DM39T...
  - Faston for DM31T..., DM36T..., DM6T...
- Sealable terminal covers oly for DM25T..., DM38T..., DM39T... and DM6T...
- Fixing on 35mm DIN rail (IEC/EN/BS 60715) or by screws
- Degree of protection: IP20
- Ambient conditions:
  - Operating temperature: -25...+50°C
  - Storage temperature: -40...+80°C
  - Relative humidity, non condensing: 90%.

Certifications and compliance

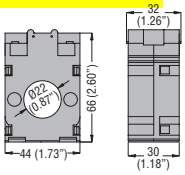
Certifications obtained: EAC.
Compliant with standards: IEC/EN/BS 61869-2, IEC/EN/BS 61869-1.

Dimensions page 29-8

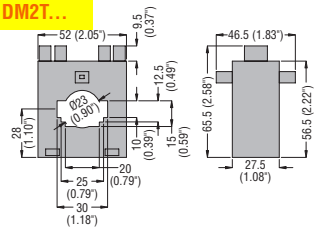
CURRENT TRANSFORMERS
Wound primary **DM0TW...**



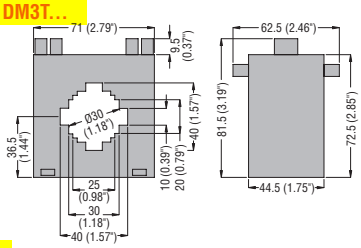
Solid core DM0T...



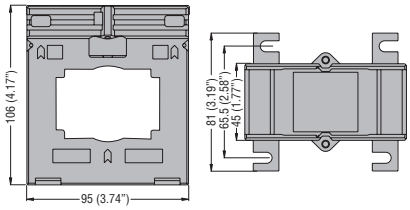
DM2T...



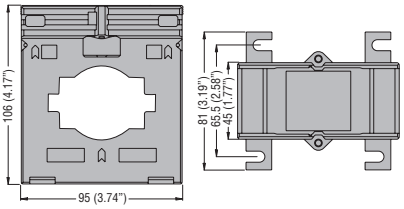
DM3T...



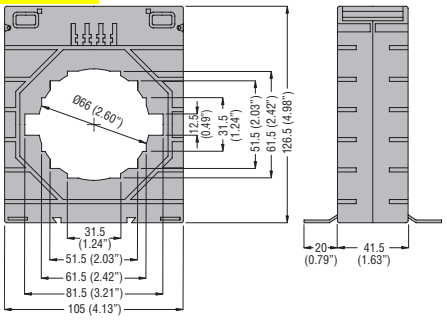
DM33T...



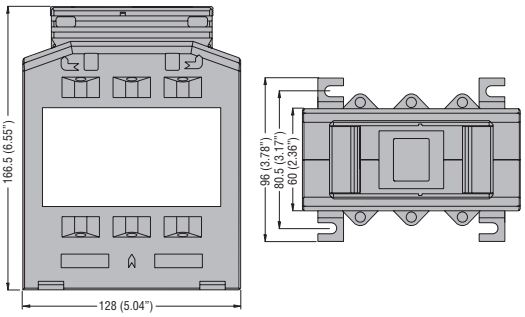
DM34T...



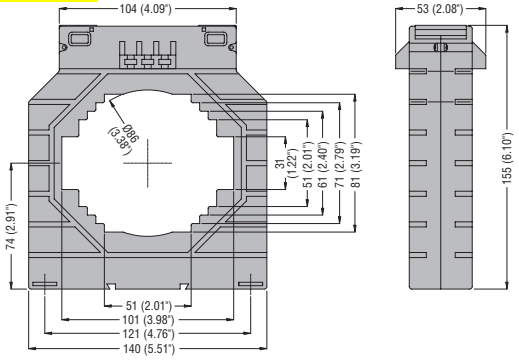
DM35T...



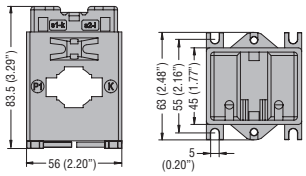
DM37T...



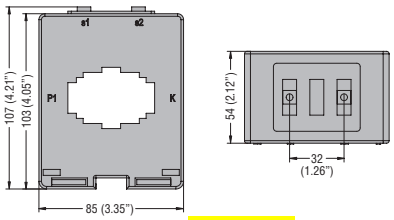
DM4T...



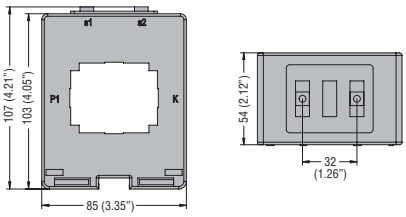
DM25T...



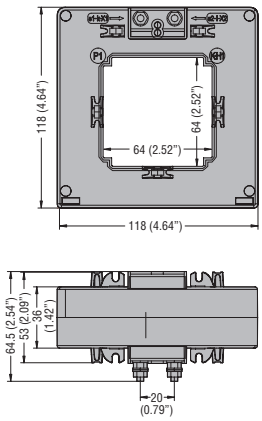
DM31T...



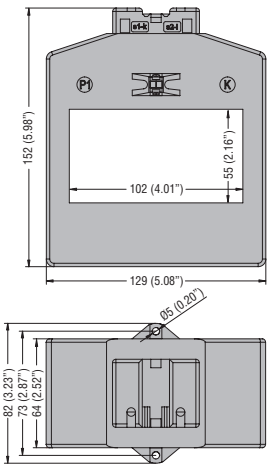
DM36T...



DM38T...



DM39T...



DM6T...

