



Product designation	Current transformer kit		
Product type designation	DMG200 and 3 CTS 100/5A		
Type	Three-phase + neutral		
DIN rail module number	4		
<b>Auxiliary supply Us</b>			
Auxiliary rated supply voltage AC	VAC	100...240	
Auxiliary rated supply voltage DC	VDC	110...250	
Auxiliary operating voltage range			
AC	min	VAC	85
	Max	VAC	264
DC	min	VDC	93.5
	Max	VDC	300
Operational frequency	min	Hz	45
	max	Hz	66
Power consumption	Max	VA	3.5
Power dissipation Max		W	1.2
<b>Measuring voltage inputs</b>			
Rated voltage (Ue)	phase-phase	VAC	690
	phase-neutral	VAC	400
Operating voltage range	phase-phase	VAC	20...830
	phase-neutral	VAC	10...480
Voltage inputs operational frequency	min	Hz	45
	max	Hz	66
Voltage inputs measurement method	True RMS		
Connection method	Single. two. three-phase with or without neutral. balanced three-phase systems		
<b>Current inputs</b>			
Rated current (Ie)	A	5	
Measurement range	0.01...6		
Measurement method	TRMS		
Overload capacity	+20% Ie through external CT with 5A secondary		

Overload peak	A	50A for 1s
Primary current I <sub>pn</sub> (/5)	A	100
Secondary output current	A	5
Overload withstand I <sub>pn</sub>	%	120

#### Accuracy

VLN voltage	±0.5%
VLL voltage	±0.5%
Current	±0.5%
Frequency	±0.05%
Active power	±1%

#### Insulations

Rated insulation voltage U <sub>i</sub> IEC/EN	V	690
Rated impulse withstand voltage U <sub>imp</sub>	kV	9.5
Operating frequency withstand voltage	kV	5.2
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

Housing type		Polyamide
Terminals type		Fixed
Conductor cross section		
	min	mm <sup>2</sup> 0.2
	Max	mm <sup>2</sup> 4
	min	AWG 24
	Max	AWG 12

Tightening torque (Max)		
	Nm	0.8
	lbin	7

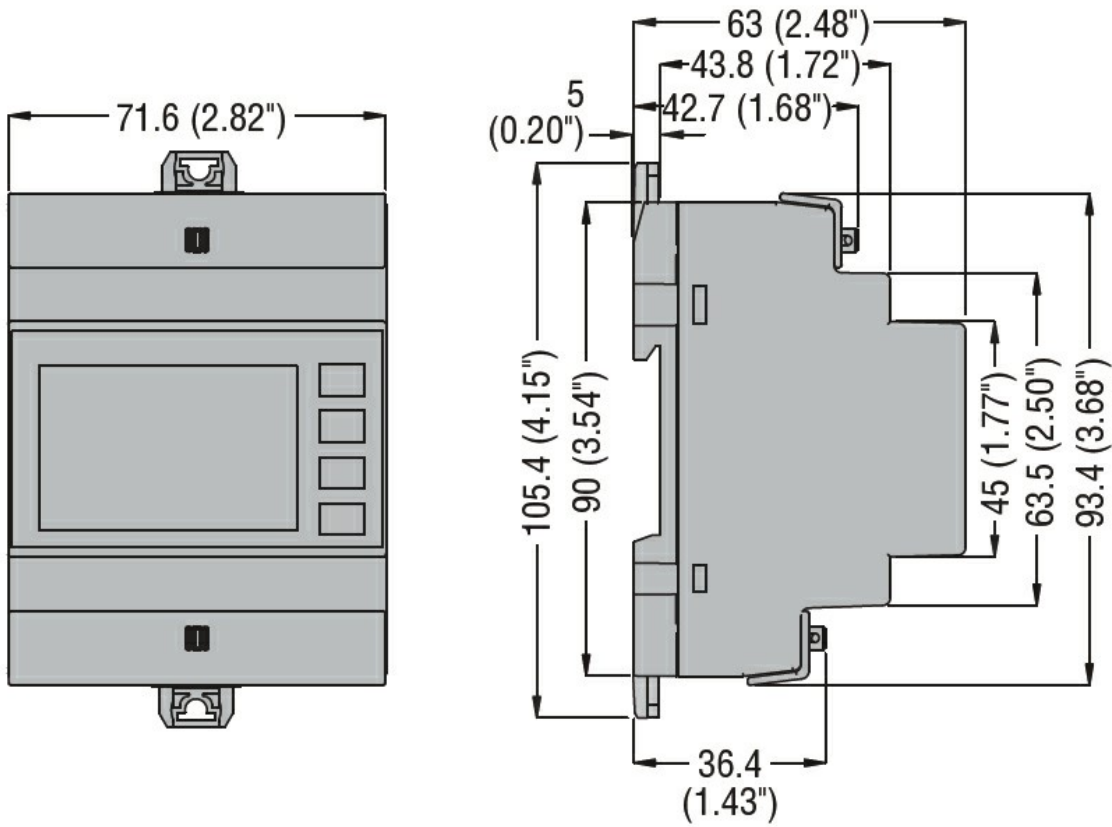
Fixing		Din rail
Weight	g	1048

#### Ambient conditions

Temperature			
Operating temperature			
	min	°C	-20
	max	°C	+60
Storage temperature			
	min	°C	-30
	max	°C	+80

Relative humidity		%	<90
Maximum Pollution degree			2
Protection degree			IP30

#### Dimensions



**ETIM classification**

ETIM 8.0

EC002301 -  
 Multifunction  
 measuring  
 instrument