



Product designation			Digital metering instruments	
Product type designation			DMK16R1	
Auxiliary supply $U_s$				
Auxiliary rated supply voltage AC		VAC	220...240	
Operational frequency		min	Hz	50
		max	Hz	60
Power consumption		Max	VA	3.9
Power dissipation Max			W	2.1
Measuring voltage inputs				
Rated voltage ( $U_e$ )		phase-phase	VAC	600
		phase-neutral	VAC	347
Operating voltage range		phase-phase	VAC	35...660
		phase-neutral	VAC	20...382
Voltage inputs operational frequency		min	Hz	45
		max	Hz	66
Voltage inputs measurement method			True RMS	
Current inputs				
Rated current ( $I_e$ )		A	5	
Measurement range			0.05...5.75	
Current inputs operational frequency		min	Hz	45
		max	Hz	66
Type			Shunts connected by external low voltage CT 5A max	
Measurement method			TRMS	
Overload capacity			+20% $I_e$	
Accuracy				
		VLN voltage	±0.25% f.s. ±1 digit	
		VLL voltage	±0.25% f.s. ±1 digit	
		Current	±0.5% f.s. ±1 digit	
		Frequency	±1 digit	
		Active power	±1% f.s. ±1 digit	
Insulations				
Rated insulation voltage $U_i$ IEC/EN			V	600

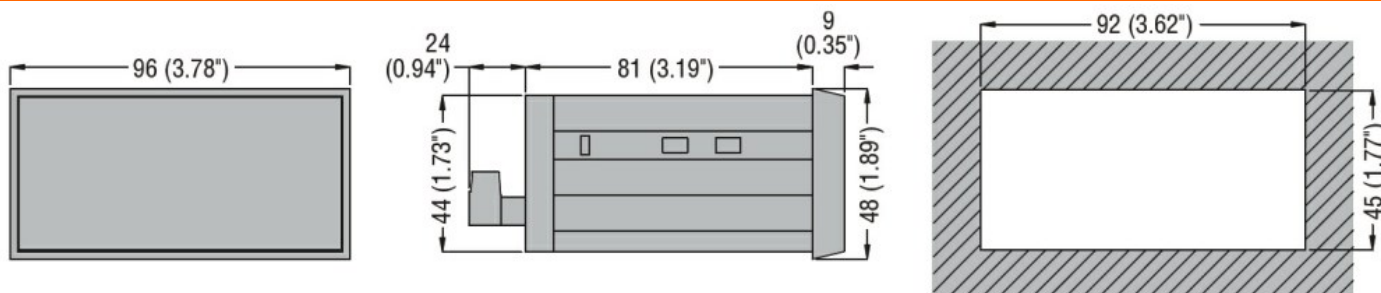
## Mechanical features

Housing type			Thermoplastic		
Terminals type			Removable		
Conductor cross section					
			min	mm <sup>2</sup>	0.2
			Max	mm <sup>2</sup>	2.5
			min	AWG	24
			Max	AWG	12
Tightening torque (Max)					
			Nm	0.8	
			lbin	7	
Fixing			Flush-mounting		
Weight			g	353	

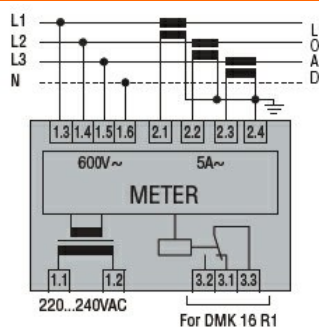
## Ambient conditions

Temperature				
		Operating temperature		
		min	°C	-20
		max	°C	+60
		Storage temperature		
		min	°C	-30
		max	°C	+80
Protection degree				IP54

## Dimensions



## Wiring diagrams



## Certifications and compliance

Compliance	CSA C22.2 n° 14
	IEC/EN 61000-6-2
	IEC/EN 61000-6-3
	IEC/EN 61010-1
	UL508
Certificates	cULus
	EAC

## ETIM classification

ETIM 8.0

EC002301 -  
Multifunction  
measuring  
instrument