



Product designation				Digital metering instruments
Product type designation				DMK16R1
<b>Auxiliary supply Us</b>				
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	
<b>Measuring voltage inputs</b>				
Rated voltage (Ue)				
	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	
<b>Current inputs</b>				
Rated current (Ie)		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% Ie	
<b>Accuracy</b>				
	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	
<b>Insulations</b>				
Rated insulation voltage Ui IEC/EN		V	600	



FLUSH-MOUNT LED MULTIMETER, THREE-PHASE, NON EXPANDABLE, 3 PHASE VOLTAGE VALUES, 3 PHASE TO PHASE VOLTAGE VALUES, 3 PHASE CURRENT VALUES, 4 ACTIVE POWER VALUES, PHASE AND TOTAL, 4 REACTIVE POWER VALUES, PHASE AND TOTAL, 4 APPARENT POWER VALUES, PHASE AND TOTAL, 3 PHASE POWER FACTOR VALUES, 1 FREQUENCY VALUE, 1 ACTIVE ENERGY VALUE IN KWH, 1 REACTIVE ENERGY VALUE IN

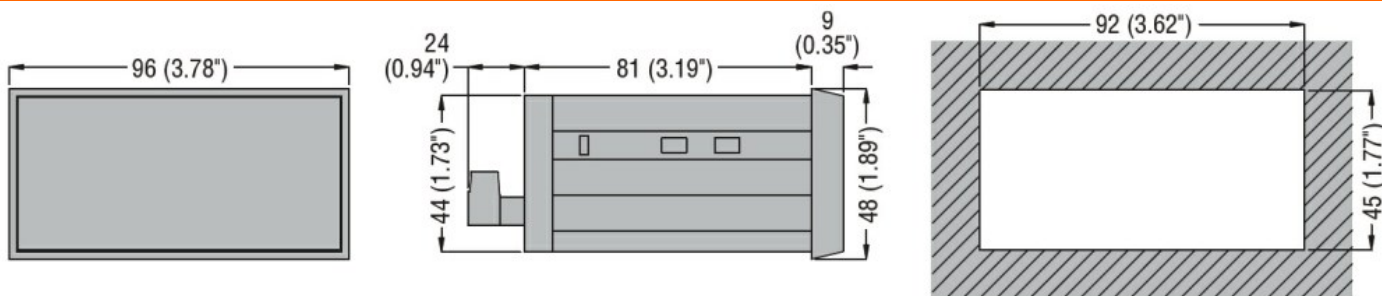
**Mechanical features**

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

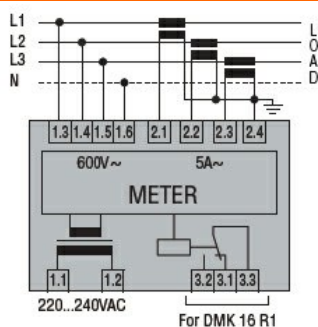
**Ambient conditions**

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**



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**DMK16R1**

EC002301 -  
Multifunction  
measuring  
instrument

ETIM 8.0