



Current measuring module  
EXS4001  
2 current inputs  
4

Product designation

Product type designation

Type

DIN rail module number

**Current inputs**

Rated current (Ie)	A	1A/5A
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Measurement range	0.004...6	
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Current inputs operational frequency	min	Hz	45
	max	Hz	66

Type	Internal CT	
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Measurement method	TRMS	
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Overload capacity	1.2	
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Overload peak	A	120A for 0.5s
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**Current**

IEC maximum (Imax)	A	6
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IEC minimum (Imin)	A	0.004
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**Accuracy**

	Current	Class 0.5 (IEC/EN 61557-12)
	Active power	Class 1 (IEC/EN 61557-12)
	Reactive power	Class 2 (IEC/EN 61557-12)
	THD	Class 5 (IEC/EN 61557-12)
	2nd 15th order harmonics	Class 5 (IEC/EN 61557-12)

**Insulations**

Rated insulation voltage Ui IEC/EN	V	600
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Rated impulse withstand voltage Uimp	kV	9.6
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Operating frequency withstand voltage	kV	5.4
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**Mechanical features**

Housing type	Polyamide	
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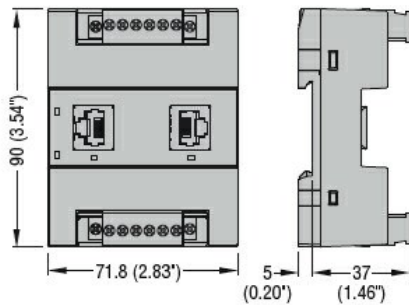
Terminals type	Screw	
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Conductor cross section	min	mm <sup>2</sup>	0.2
	Max	mm <sup>2</sup>	2.5
	min	AWG	24
	Max	AWG	12

Tightening torque (Max)	Nm	0.5
	lbin	4.5

Fixing				Din rail
Weight		g		210
<b>Ambient conditions</b>				
Temperature				
Operating temperature				
	min	°C		-20
	max	°C		+60
Storage temperature				
	min	°C		-30
	max	°C		+80
Relative humidity		%		<80
Max altitude		m		2000
Maximum Pollution degree				2
Overvoltage category				3
Protection degree				IP20

**Dimensions**



**Certifications and compliance**

Compliance

IEC/EN/BS 61000-6-2  
IEC/EN/BS 61000-6-4  
IEC/EN/BS 61010-1

Certificates

CE  
EAC  
UKCA