



Product designation

Product type designation

Type

DIN rail module number

Current
measuring
module
EXS4001
2 current inputs
4

Current inputs

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

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

Current

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

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
Rated impulse withstand voltage Uimp	kV	9.6
Operating frequency withstand voltage	kV	5.4

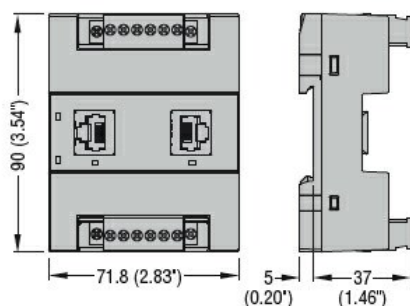
Mechanical features

Housing type				Polyamide
Terminals type				Screw
Conductor cross section				
	min	mm²	0.2	
	Max	mm²	2.5	
	min	AWG	24	
	Max	AWG	12	

Tightening torque (Max)	Nm lbin	0.5 4.5
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Fixing			Din rail
Weight	g		210
Ambient conditions			
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