



Current
measuring
module
EXS4001
2 current inputs
4

Product designation

Product type designation

Type

DIN rail module number

Current inputs

Rated current (I _e)	A	1A/5A
Measurement range		0.004...6

Current inputs operational frequency

min	Hz	45
max	Hz	66

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

Current

IEC maximum (I _{max})	A	6
IEC minimum (I _{min})	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 U _i IEC/EN	V	600
Rated impulse withstand voltage U _{imp}	kV	9.6
Operating frequency withstand voltage	kV	5.4

Mechanical features

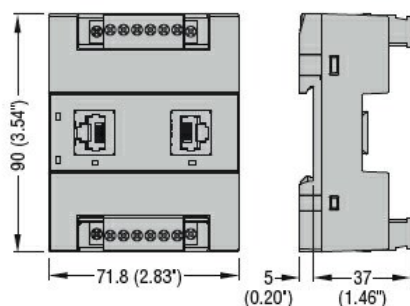
Housing type	Polyamide	
Terminals type	Screw	
Conductor cross section	min	mm ² 0.2
	Max	mm ² 2.5
	min	AWG 24
	Max	AWG 12

Tightening torque (Max)

Nm	0.5
lbin	4.5

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
cETLus
EAC
UKCA