

Product designation	Current measuring module		
Product type designation	EXS4001		
Type	2 current inputs		
DIN rail module number	4		
Current inputs			
Rated current (Ie)	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 (Imax)	A	6	
IEC minimum (Imin)	A	0.004	
Accuracy			
Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)			
	current	Class 0.5 (IEC/EN 61557-12)	
	active power	Class 1 (IEC/EN 61557-12)	
	reactive power	Class 2 (IEC/EN 61557-12)	
	active energy	Class 1 (IEC/EN/BS 62053-21)	
	reactive energy	Class 2 (IEC/EN 62053-23)	
	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	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

## 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