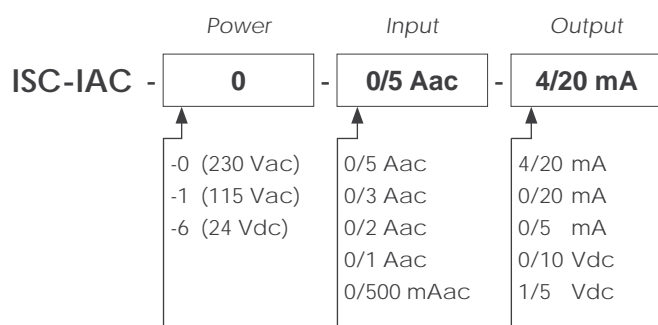


# ISC-IAC Signal converter for AC currents

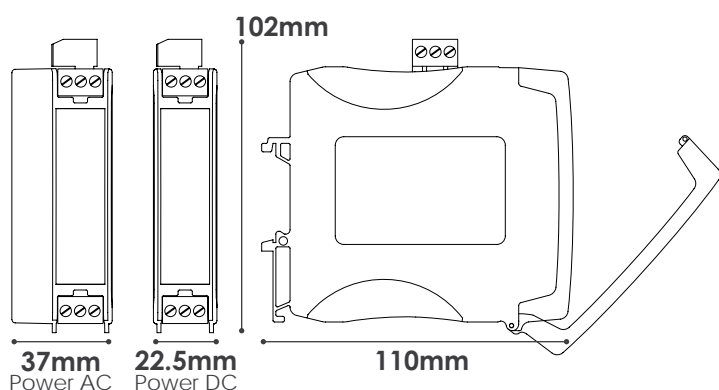
Signal converter for AC currents, DIN rail mounting. Measure in mean square value. Multiple input signal ranges up to 5Aac and from 100mAac. Output ranges in 4/20mA or 0/10Vdc. Power options in AC and DC. High isolation between input, output and power circuits.



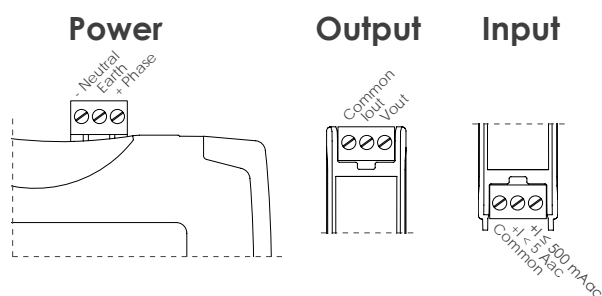
## Order reference



## Dimensions



## Connections



## Technical specifications

Input ranges*	Input impedance	Maximum oversignal	Output ranges*	Type	Load
0/5 Aac	0.02 Ohm	7.5 Aac	4/20 mA	active	<400 Ohm
0/3 Aac	0.02 Ohm	7.5 Aac	0/20 mA	active	<400 Ohm
0/2 Aac	0.02 Ohm	7.5 Aac	0/10 Vdc	active	>1 K Ohm
0/1 Aac	0.02 Ohm	7.5 Aac	0/1 Vdc	active	>1 K Ohm
0/500 mAac	1 Ohm	750 mAac			
0/300 mAac	1 Ohm	750 mAac			
0/200 mAac	1 Ohm	750 mAac			
0/100 mAac	1 Ohm	750 mAac			

\* Intermediate input and output ranges are available, operating the Span and Offset potentiometers.

### General

Signal	AC currents, single phase
Type of measure	mean square value
Accuracy	0.3% F.S.
Linearity	0.2% F.S.
Thermal drift	250 ppm/°C
Response time	<250mSec. (0% to 90% signal)
Bandwidth	1KHz (-3dB)

### Power

Power	230Vac, 115Vac and 24Vdc
Consumption	<3.8VA

### Isolation\*

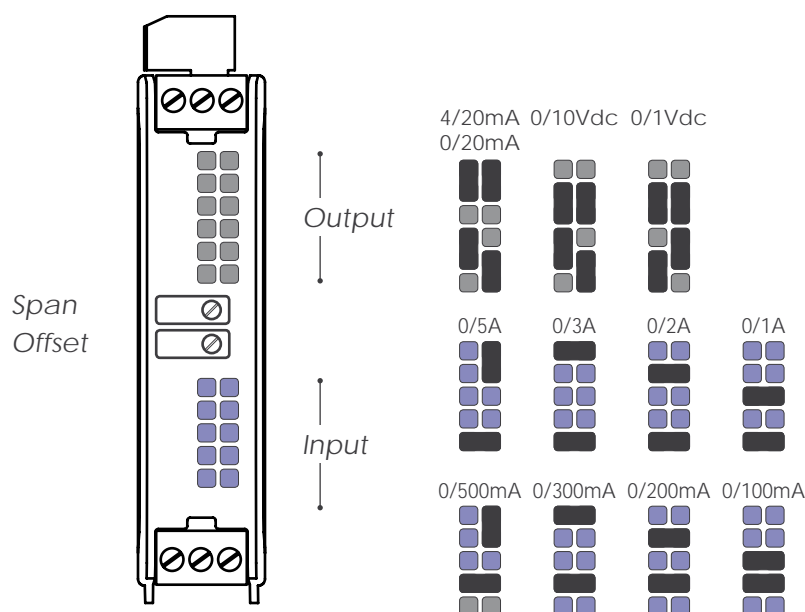
Input-output	3500Veff, optical
Power-input	3500Veff, galvanic
Power-output	3500Veff, galvanic (with AC power) 1000Veff, galvanic (with DC power)

\* instrument isolated 3 ways, isolation tested during 60 sec.

### Mechanical

Mounting	DIN rail standard (35x7.5mm)
Connections	pug-in screw terminal
Weight	120 grams (with DC power) 200 grams (with AC power)
Housing material	polyamide PA6 UL94 V2
Protection	IP30

## Jumpers for range selection



## Isolated signal converters Series ISC

	Model													
	ISC-LC	ISC-RES	ISC-HZ	ISC-POT	ISC-IDC	ISC-VDC	ISC-IAC	ISC-VAC	ISC-TS	ISC-TR	ISC-TE	ISC-TT	ISC-TK	ISC-TJ
Signals accepted														
Process														
Pt100 / RTD														
Thermocouple J														
Thermocouple K														
Thermocouple T														
Thermocouple E														
Thermocouple R														
Thermocouple S														
Voltages AC														
Currents AC														
Voltages DC														
Currents DC														
Potentiometers														
Frequency														
Resistances														
Load cells														

## Meters for 4/20mA



Process panel meter  
48x24mm - L35/A



Process panel meter  
72x36mm - S40-P



Process panel meter  
96x48mm - M40-P



Process meter  
60mm digit - BDF-24



Process panel meter  
100mm digit - BDF-44