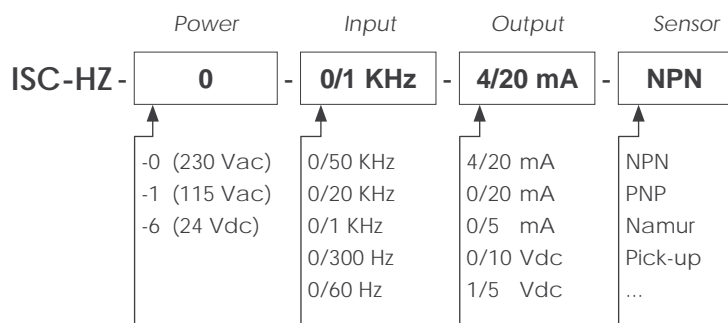


ISC-HZ Signal converter for frequency

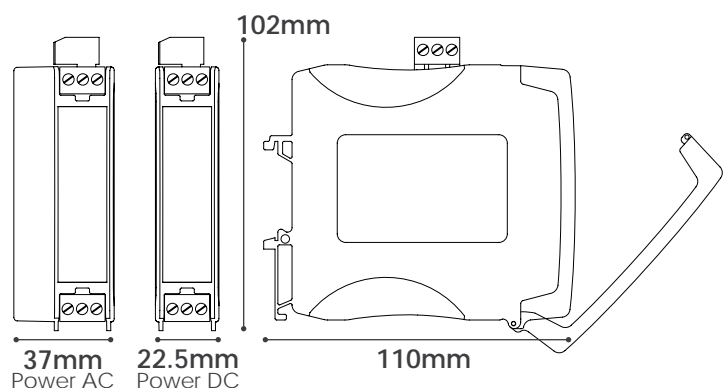
Signal converter for frequency signals, DIN rail mounting. Multiple input signal ranges up to 50KHz and down to 20Hz. Accepts signals push-pull, NPN, PNP, Namur, etc. Output ranges in 4/20mA or 0/10Vdc. Provides excitation voltage for the sensor. Power options in AC and DC. High isolation between input, output and power circuits.



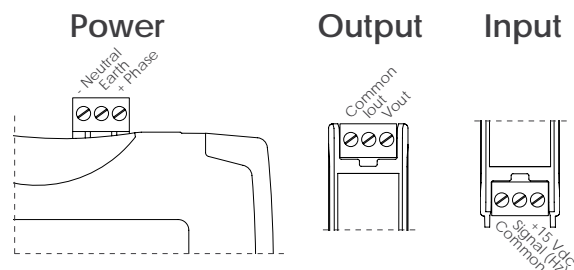
Order reference



Dimensions



Connections



Technical specifications

Input ranges*	Response time (0 to 90%)
0/50 KHz	<150 mSec.
0/30 KHz	<150 mSec.
0/20 KHz	<150 mSec.
0/10 KHz	<150 mSec.
0/5 KHz	<200 mSec.
0/3 KHz	<200 mSec.
0/2 KHz	<200 mSec.
0/1 KHz	<200 mSec.
0/500 Hz	<250 mSec.
0/300 Hz	<250 mSec.
0/200 Hz	<250 mSec.
0/100 Hz	<300 mSec.
0/60 Hz	<300 mSec.
0/40 Hz	<300 mSec.
0/20 Hz	<300 mSec.

Output ranges*	Type	Load
4/20 mA	active	<400 Ohm
0/20 mA	active	<400 Ohm
0/10 Vdc	active	>1 K Ohm
0/1 Vdc	active	>1 K Ohm

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

Type of signal	Input impedance	Maximum oversignal
Push-pull	10 KOhm	35 Vdc
NPN	10 KOhm	35 Vdc
PNP	10 KOhm	35 Vdc
Namur	1 KOhm	---
Pick-up	100 KOhm	75 Vdc
<24 Vac	100 KOhm	75 Vdc
<200 Vac	1 Mohm	300 Vdc

General

Signal	frequency signals
Excitation voltage	+15Vdc (max. 22mA)
Accuracy	0.2% F.S.
Linearity	0.1% F.S.
Thermal drift	250 ppm/°C

Power

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

Isolation*

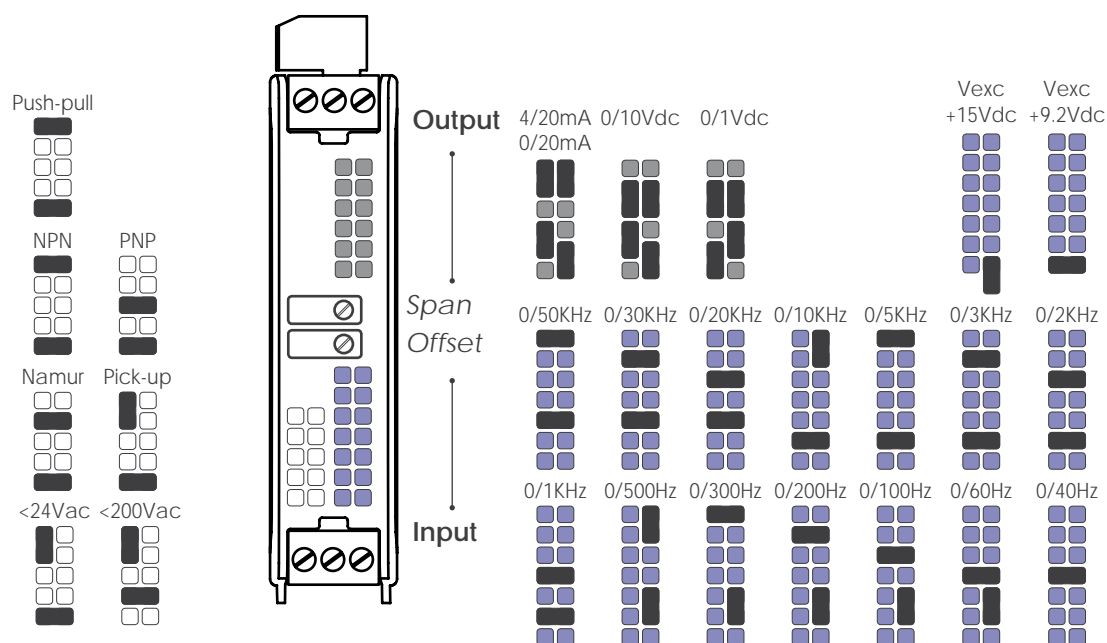
Input-output	3500Veff, optical
Power-input	3500Veff, galvanic
Power-output	3500Veff, galvanic (with AC power) 1000Veff, galvanic (with DC power)

* 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	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	ISC-PT100	ISC-P
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