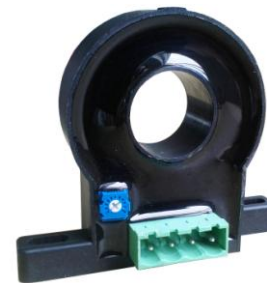




DS010LDA Current Transducers

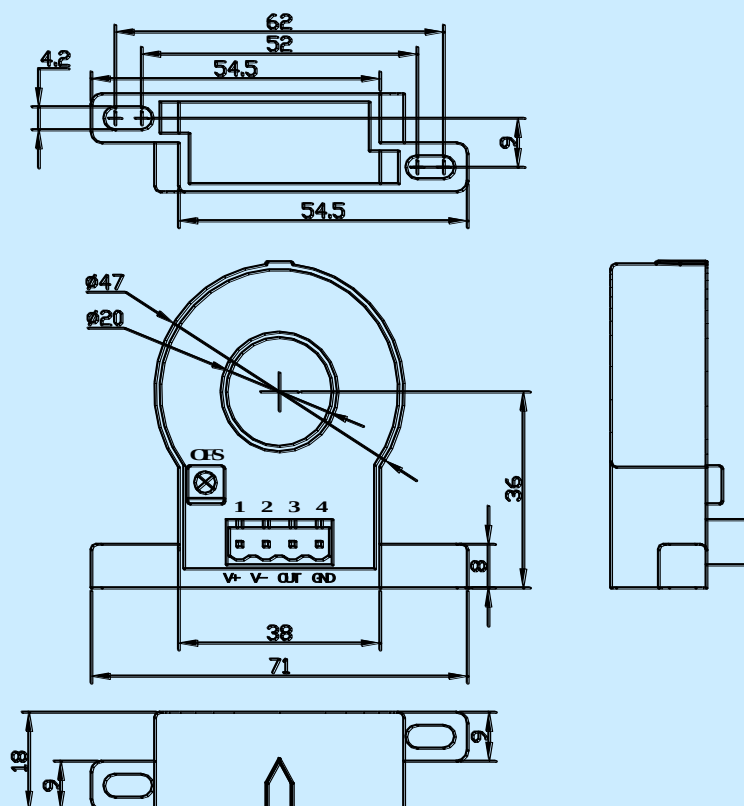


For the electronic measurement of DC small currents, with a galvanic isolation between the primary circuit and the secondary circuit.

Electrical characteristics

	Type	DS010LDA	DS020LDA	DS050LDA	DS100LDA	
I _{PN}	Primary nominal input current	10	20	50	100	mA
I _P	Measuring range of primary current	0~±120%				mA
V _{OUT}	Nominal output voltage	5±1%				V
V _C	Supply voltage	±12~±15(±5%)				V
I _C	Current consumption	V _C =±15V	<20			mA
V _d	Insulation voltage	AC/50Hz/1min	3			kV
ε _L	Linearity	<±1				%FS
V _O	Offset voltage	T _A =25℃	<±50			mV
V _{OT}	Thermal drift of V ₀	I _p =0 T _A =-25~+70℃	<±1			mV/℃
f	Frequency bandwidth	DC				
T _A	Ambient operating temperature	-25~+70				℃
T _S	Ambient storage temperature	-40~+85				℃
R _L	Load resistance	≥10				KΩ
m	Mass	65				g

Dimensions of drawing (mm)



Elucidation: 1: +15V 2: -15V 3: V_{OUT} 4: 0V(GND) OFS: Zero adjustment

Remarks

Incorrect connection may lead to the damage of the sensor.