Leakage Current Sensor YCDV16C0LTA

YCDV1C1..1C2LDB

Suitable for measuring DC leakage current, with complete insulation between the primary and secondary circuits, and no insertion loss.

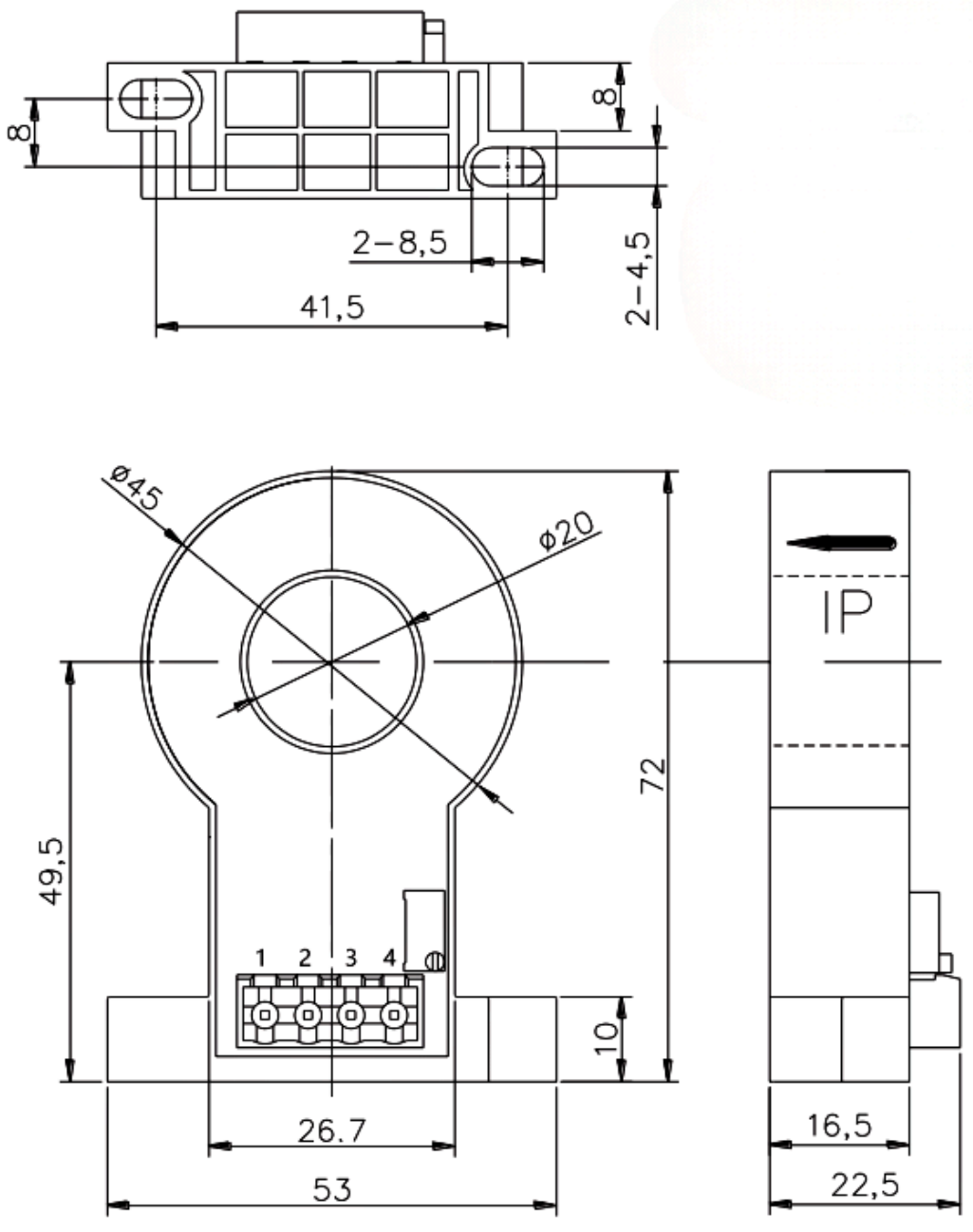
Product Model		
YCDV1C1LDB	10	15
YCDV2C1LDB	20	30
YCDV5C1LDB	50	75
YCDV1C2LDB	100	150

Application Fields
• Communication Power Supply
• DC Screens
• Battery Power Supply Application
• Energy Storage
• Instruments and Meters

Executive Standards

- JB/T 7490-2007 Hall Effect Current Sensors
- SJ20790-2000 General Specification for Current and Voltage Sensors

Outline Dimensions and Pin Definition (Unit: mm)



Pin No.	Function Description
1	DC +15V
2	DC -15V
3	Output
4	Power Ground

- General Tolerance： ±1 mm
- Other Tolerances Standard： GB/T 1804-2000-M

Electrical Parameter Characteristics @ Ta = 25°C

Parameter Description	Symbol	Unit	Test Conditions	Min	Typ	Max
Supply Voltage		V	@DC	±12V	±15V	±18V
Power Consumption Current		mA			15	
Rated Output		V			±5	
Static Zero Point Output		mV		-50	0	50
Magnetic Offset Voltage		mV		-20	0	20
Load Resistance				10K		
Accuracy		%			±1	
Linearity		%			±1	
Response Time		ms				200
Zero Point Output Temp Drift					±2.0	
Rated Output Temp Drift				-0.1		0.1
Operating Bandwidth	BW	KHz			DC	
Operating Temperature Range					-	
Storage Temperature Range					-	
Dielectric Strength		V	@AC50/60Hz 1 min		3000	
Insulation Resistance			@DC500V	500M		
Weight	m	g		75		

Usage Instructions and Precautions

- Refer to the current direction arrow in the structural diagram to connect the current correctly, and pay attention to the forward and reverse directions of the current passing through the sensor.
- Strictly follow the functional pin definitions marked in the structural diagram for wiring (Note: Incorrect wiring may cause damage to the sensor).
- The above specifications are for standard parameter products; products can be customized according to customer requirements.

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