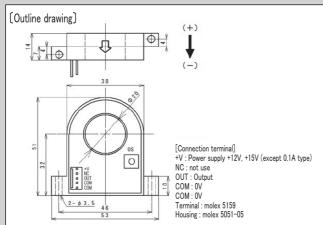
Zero flux type for small current and precision measurement

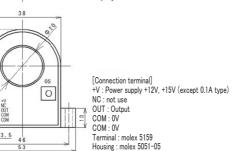


Model DCS-20-ASH series

(Features)

- Possible to measure DC small current precisely even small and light weight
- Full scale 0.1A, 0.5A, 1A, 2A
- Excellent temperature stability for residual voltage and output voltage
- Stable operation after over current
- Unipolar power supply operation



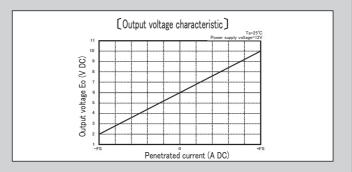


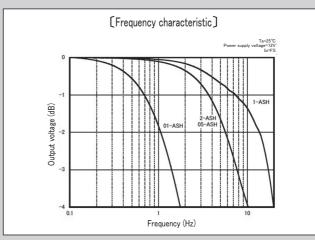
(Specification) Ta=25°C

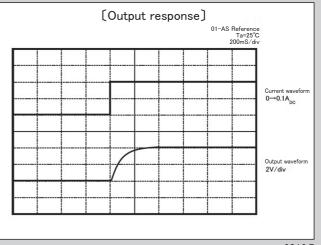
Model		DCS-20-(電流表記)-ASH			
Current description		01	05	1	2
Rating current (FS)		± 0.1Adc	± 0.5Adc	± 1Adc	± 2Adc
Output voltage		1/2 of power supply voltage \pm 4V/rating current (recommended load resistor >10k Ω)			
Residual voltage		± 20mV typ			
Noise level		20mVp-p typ			
Accuracy		Within ± 3%/FS Within ± 1%/FS			
Linearity		Within ± 1%/FS			
Hysteresis(FS→0)		Within \pm 10mV (FS->0)			
Response time		250ms typ	50ms typ	30ms typ	50ms typ
Output voltage temperature coefficient		± 0.1% ∕°C typ	± 0.05% /°C typ		
Residual voltage temperature coefficient		± 3mV ∕°C typ	± 1mV ∕°C typ		
Power supply	Voltage	DC+12V	DC+12、+15V		
	Current consmption	20mA typ	+12V • 20nA typ / +15V • 30nA typ	+12V • 35mA / +15V • 40mA typ	
Withstand voltage		AC2500V(50/60Hz), 1min (Aperture-output terminal in a lump)			
Insulation resistance		DC500V, \geqq 500M Ω (Aperture-output terminal in a lump)			
Operating temperature		-10 °C \sim +60°C , \leq 85%RH, no condensation			
Storage temperature		-15 °C \sim +65°C , \leq 85%RH, no condensatio			
Output connector		5045-05 (Molex)			
Screw torque		0.3N • m			
Mass		approximately 38g			

[Remark]

- (1) This sensor is only for DC, and impossible to measure AC current precisely.
- (2) Impossible to use in the condition of high current flowing with high frequency component (3) It is affected by external magnetic field such as geomagnetism, close current wire, and so on. Please use shield case and so on as necessary.
- (4) Impossible to use in outdoor exposure
- (5) Please ask to consultation in case to use 0.1A rating type with power supply +15V







2016.7