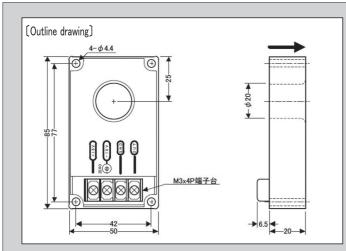
Zero flux type for small current and precision measurement

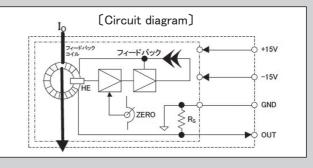


Model HCS-20-SC-A-05Z-H

(Features)

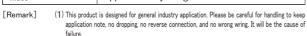
- Zero flux type current sensor composed by magnetic pasth material, hall element, and feedback coil
- Possible to operate by smaller current than conventional product with adoption of high permiability magnetic path material, and decrease hysterisis
- Covering bandwidth DC ~ 20kHz. Excellent linearity.
- High speed response within 3 μ s for full scale (di/dt=5A/2 μ s)
- Excellent temperature characteristic

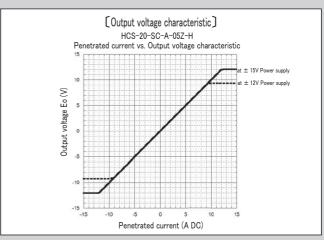


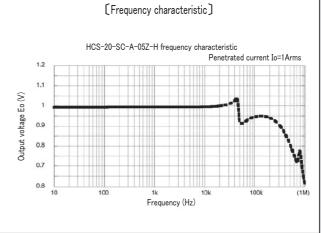


[Specification] Ta=25°C | Model | HC

Model		HCS-20-SC-A-05Z-H
Rating current (FS)		± 5Adc
Maximum current		± 15Adc continuous
Output voltage		± 5V/Rating current
Residual voltage		Within ± 50mV
Noise level		Less than 20mVp-p
Accuracy		Within \pm 1%FS (at recommended load resistor >1M Ω)
Linearity		Within \pm 1%FS (at recommended load resistor >1M Ω)
Hysteresis(FS→0)		Within ± 5mV
Response time		Less than 3 μ s (at di/dt = 5A/2 μ s)
Output voltage temperature coefficient		± 0.02% ∕°C typ
Residual voltage temperature coefficient		± 3mV ∕°C typ
Power supply	Voltage	DC ± 12 ~ ± 15V (Stable bipolar power supply)
	Current consmption	within 50mA typ (both of + and - side)
Withstand voltage		AC2000V(50/60Hz), 1min (Aperture-output terminal in a lump)
Insulation resistance		DC500V, \geq 500M Ω (Aperture-output terminal in a lump)
Operating temperature		-10°C∼ +60°C , ≦ 85%RH, no condensation
Storage temperature		-15°C∼ +65°C , ≦ 85%RH, no condensation
Internal adjustment function		Calibration for zero point with zero load (Calibrated at the time of delivery)
Screw torque		M4: 0.7N • m、M3: 0.3N • m
Mass		approximately 140g







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