

DER EE[®] Split type Hall Current Sensor

DSHCT-20S

ISO 9001 / ISO 14001 / ISO 45001



FEATURES

- Split-core type with clip-on design, easy installation at set-up devices and distribution board
- Superior linearity
- Application to both AC and DC measurement
- Compact size and light weight
- Quick response
- Providing absolute electrical isolation
- Insulating plastic case according to UL 94-V0 standard

APPLICATIONS

- Smart meter system
- Solar PV Systems
- UPS systems
- Speed controller of motors
- NC tooling machines
- Inverter-controlled welding machines
- Controller of lifts
- Controller of electrical vehicles
- Process control devices
- General and special purpose inverters
- Other automatic control systems

$A_{ip} = 200A / 300A$

$V_{out} = \pm 4V$

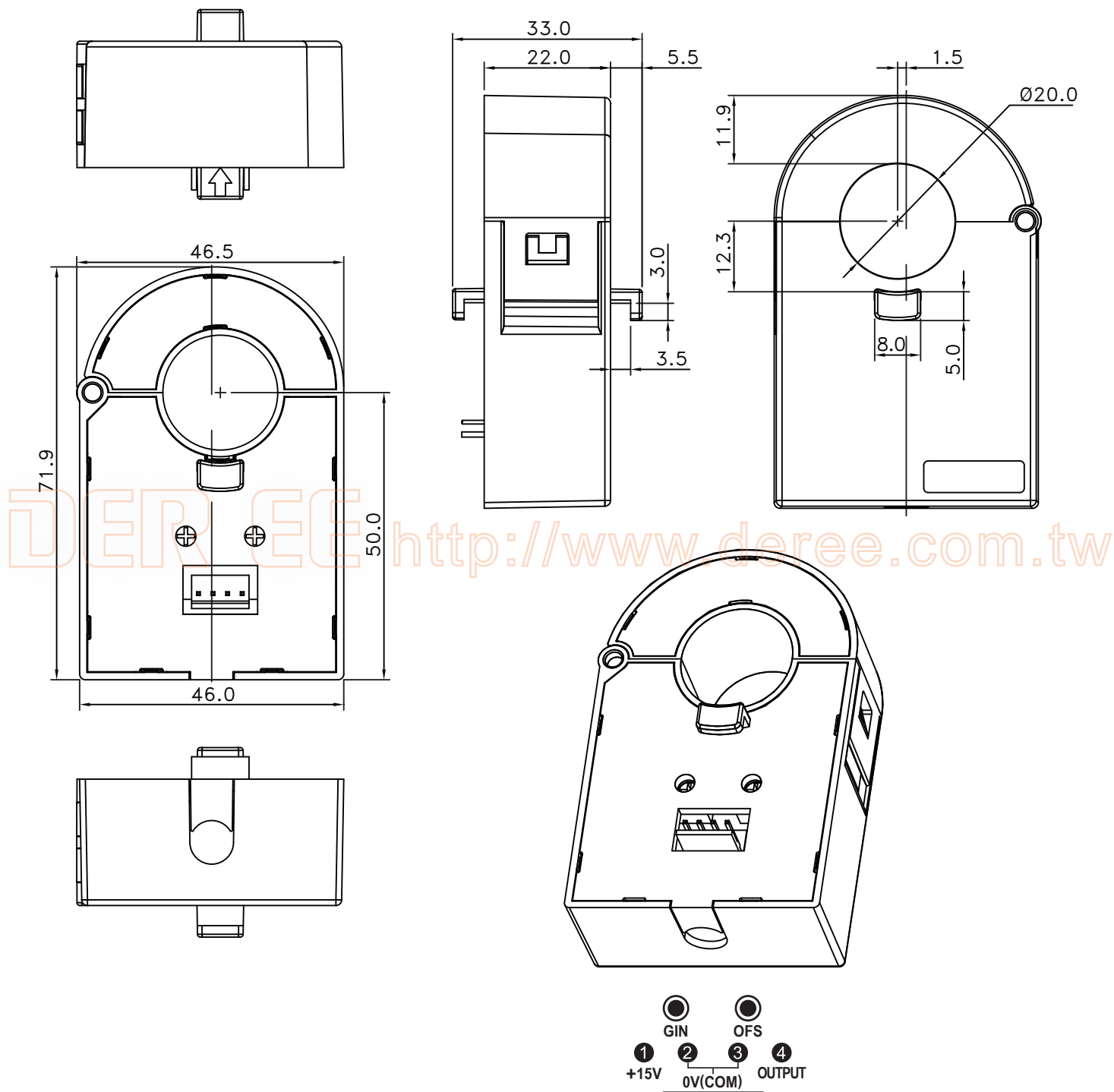
SPECIFICATIONS

Primary through-hole	20Ø
Rated Input current	200A / 300A
Linear Range	0 ~ ±200A / 0 ~ ±300A
Rated output voltage	±4V for DC or 4V rms for AC (at load resistance ≥10KΩ, t=25°C)
Offset (Residual) Voltage	<±0.03V (at t=25°C)
Linearity of Rated Output Voltage	<±1% (at Rated current, t=25°C , excluding offset)
Power Supply	DC 15V ±5%
Consumption Current	18mA Max. (mA)
Response Time	5μ sec.
Thermal Drift of Output	TYP<±0.08%/°C of reading ,Max. ±0.1%/°C
Thermal Drift of Zero Current Offset	Under ±1mV/°C
Hysteresis Error	<±0.02V Max. (V)
Insulation Resistance	Over 500MΩ at 500V DC , between aperture and terminals
Applied Voltage Test	2000V, 50/60Hz / 1 min , between aperture
Operation Temp.	-10~+70°C below 80% RH
Storage Temp.	-20~+80°C below 70% RH

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Specifications and appearance may be revised if needed without any prior notice.
Any further product info, please contact us.

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