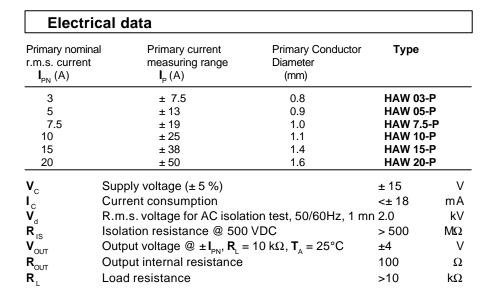


Current Transducer HAW 03 .. 20-P

For the electronic measurement of currents: DC, AC, pulsed, mixed, with a galvanic isolation between the primary circuit (high power) and the secondary circuit (electronic circuit).

Preliminary



Acc	curacy-Dynamic performance data		
X	Accuracy @ I_{PN} , $T_A = 25$ °C (without offset)	< ± 1	% of I _{PN}
e l	Linearity (0 ± I _{PN})	< ± 1	% of I _{PN}
V _{OE} V _{OH}	Electrical offset voltage, T _A = 25°C	$< \pm 40$	mV
V _{OH}	Hysteresis offset voltage $@ \mathbf{I}_p = 0;$		
011	after an excursion of 1 x I _{PN}	$< \pm 20$	m۷
V_{OT}	Thermal drift of \mathbf{V}_{OF} max.	± 1.5	mV/K
V _{ot} TC € _G	Thermal drift of the gain (% of reading)	± 0.1	%/K
t,	Response time @ 90% of $I_{\rm p}$	< 3	μs

General data				
T _A T _S m	Ambient operating temperature	- 10 + 75	°C	
	Ambient storage temperature	- 15 + 85	°C	
	Mass	12	g	

Notes: EN 50178 approval pending

 $I_{PN} = 3..20 A$



Features

- Hall effect measuring principle
- Galvanic isolation between primary and secondary circuit
- Isolation voltage 2000 V
- Low power consumption
- Extended measuring range (2.5x I_{PN})

Advantages

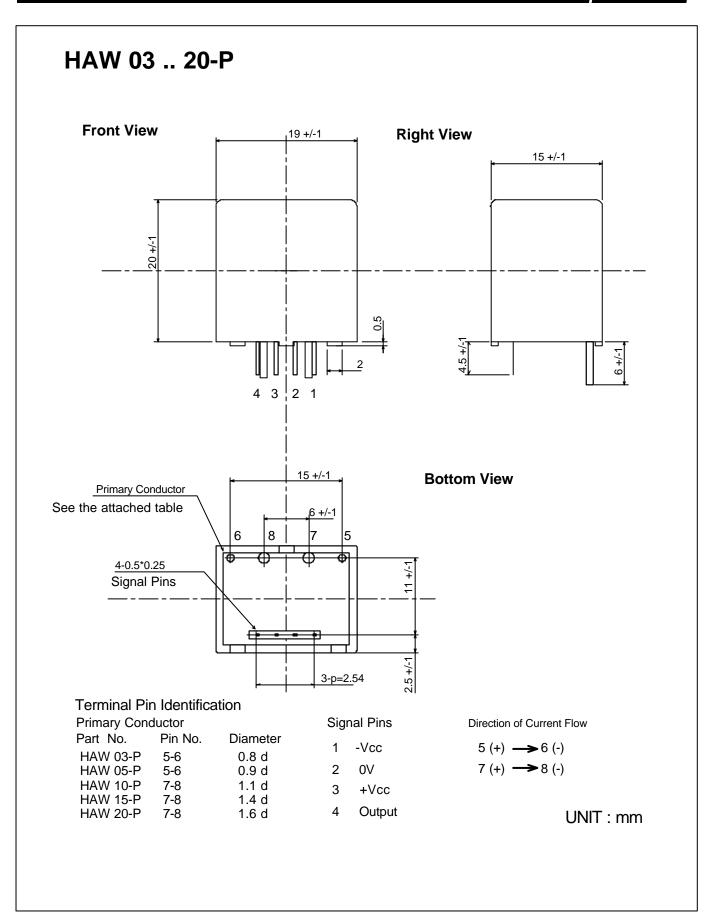
- Easy mounting
- Small size and space saving
- Only one design for wide current ratings range
- High immunity to external interference.

Applications

- DC motor drives
- Switched Mode Power Supplies (SMPS)
- AC variable speed drives
- Uninterruptible Power Supplies (UPS)
- · Battery supplied applications
- Inverters

000926/1





LEM reserves the right to carry out modifications on its transducers, in order to improve them, without previous notice.