

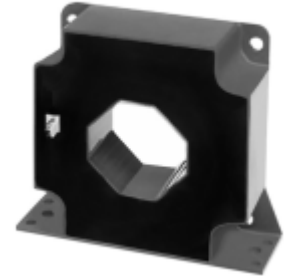
Current Transducer CF505-S

I_{PN}=500Arms

For the electronic measurement of currents: AC, DC IMPL.,etc.,with galvanic isolation between the primary (high power) and the secondary (electronic) circuits.

Performance data

Primary normal current I _{PN}	500	Arms
Primary current, measuring range I _p	0..±800	A 3min/h
Measuring resistance	R _{Mmax}	
with ±15V @ ±800A	11	Ω
with ±24V @ ±800A	65	Ω
Secondary normal current	100	mA rms
Conversion ratio	1:5000	
Supply voltage	±15..±24	VDC(±5%)
Current consumption	24±5mA (@±18V)+	Secondary output current
Isolation test	3.8	kVrms/50Hz/1min
Accuracy@ I _{PN} , T _A =+25°C	±0.6%	
Non-linearity	±0.1%	
Offset current @+25°C	±0.4	mA
Response time @90% of I _p max	≤1	μs
Di/dt:	≥50	A/μs
Operating temperature	-40..+85	°C
Storage temperature	-45..+90	°C
Mass	≤230	g



Dimensions & connections

