

Open-Loop Current Sensor

Series	C02	C03-30A	C03-50A	C05	C06	K18	K03	AC3P	
Photo									
Technology	Hall Open-Loop								
Mounting type	PCB	*	*	*	*	*			
	Terminal plug						*	*	
Current measuring range	I_{PN}^{-1}	±800A	±30A	±50A	±50A	±300A	±60A	±800A	±1200A
	Max.	800A	±85A		±125A	±330A	±180A	±1000A	
Step response to 90% of I_{PN}^{-1}	<3.5µs	<3µs	<3µs	<3µs	<3.5µs	<5µs	<5µs	<4µs	
Supply voltage	5VDC	5VDC		5VDC	5VDC/3.3VDC	±12...15VDC		5VDC	
Output	2.5V±2	2.5V±0.027*1 _p ²	2.5V±0.025*1 _p ²	2.5V±0.8*1 _p ²	2.5V±2*1 _p ²	±4V		2.5V±2*1 _p ²	
Non-linearity error	0.5%/I _{PN}	<±1.5%/I _{PN}	<±0.8%/I _{PN}	<±0.5%/I _{PN}	<±0.8%/I _{PN}	<±1%/I _{PN}		<±1%/I _{PN}	
Ambient operating temperature	Min.	-40°C	-30°C	-40°C	-40°C	-40°C	-30°C	-25°C	-40°C
	Max.	105°C	100°C		105°C	105°C	85°C	85°C	125°C
Energy Management				*	*				
Drive Motion	*	*	*	*	*	*	*	*	
Domestic Appliances	*	*	*	*	*	*	*		
Industrial Automation	*	*	*	*	*	*	*	*	

*1 I_{PN} = Current nominal measuring range

*2 I_p = Real-Time primary input current

