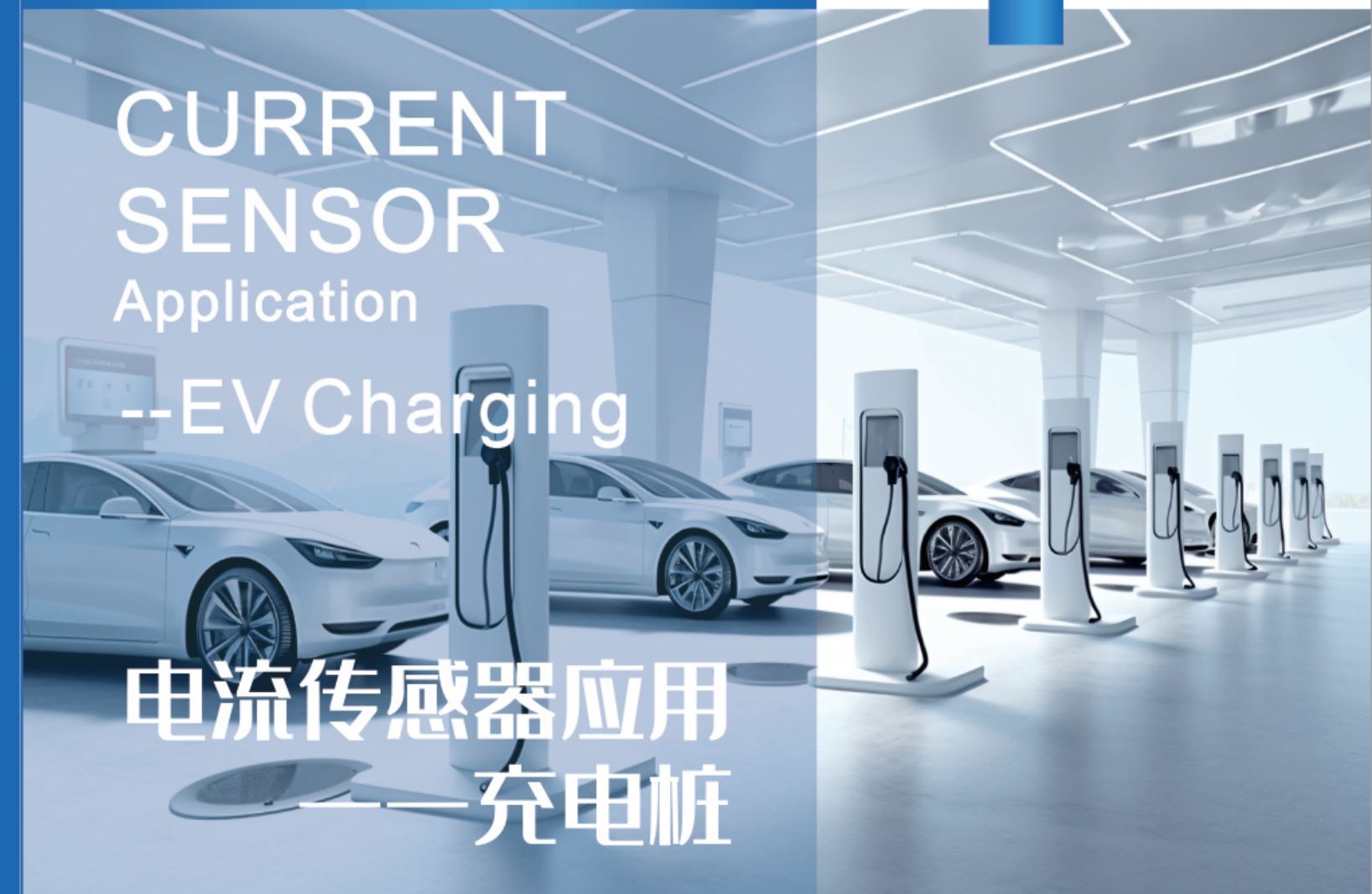


希磁电流传感器应用

CURRENT SENSOR APPLICATION



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CURRENT
SENSOR
Application

--EV Charging

电流传感器应用
——充电桩

充电桩用数字式漏电流传感器系列

Residual Current Detection Sensor



产品系列	产品图	原边连接方式	电流线数量	产品型号	测量范围 (A)	剩余电流规格	标准
Series	Structure	Pri. Style	Number of Pri.	Item No.	Measuring range(A)	Nominal differential current	Standard
SFG-CPL/A		Primary conductor 带电流线	4	SFG-0.3CPL/A	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A-B	0.3	5mA AC	UL2231 CCID5
				SFG-0.3CPL/A-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A2		Pass through opening 穿心（开口）	-	SFG-0.3CPL/A2	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A2-A	0.3	6mA DC	IEC 62955
				SFG-0.3CPL/A2-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A3		Pass through opening 穿心（开口）	-	SFG-0.3CPL/A3	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A3-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A4		Primary conductor 带电流线	2	SFG-0.3CPL/A4	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A4S		Primary conductor 带电流线	2	SFG-0.3CPL/A4S	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A4S-F	0.3	30mA AC	国标A型
SFG-CPL/A5		Pass through opening 穿心（开口）	-	SFG-0.3CPL/A5	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A5-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A6		Pass through opening 穿心（开口）	-	SFG-0.3CPL/A6	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A7		Primary conductor 带电流线	4	SFG-0.3CPL/A7	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A8		Primary conductor 带电流线	2	SFG-0.3CPL/A8	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A8-C	0.3	20mA AC	UL2231 CCID20
SFG-CPL/A8S		Primary conductor 带电流线	2	SFG-0.3CPL/A8	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/A8S-C	0.3	20mA AC	UL2231 CCID20
				SFG-0.3CPL/A8S-B	0.3	5mA AC	UL2231 CCID5
				SFG-0.3CPL/A8S-C	0.3	20mA AC	UL2231 CCID20

Current Sensors for Charging Piles

产品系列	产品图	原边连接方式	电流线数量	产品型号	测量范围 (A)	剩余电流规格	标准
Series	Structure	Pri. Style	Number of Pri.	Item No.	Measuring range(A)	Nominal differential current	Standard
SFG-CPL/A9		Primary conductor 带电流线	2	SFG-0.3CPL/A9	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A10		Primary conductor 带电流线	2	SFG-0.3CPL/A10	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A11		Primary conductor 带电流线	2+单路AC	SFG-0.3CPL/A11	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/A15		Pass through opening 穿心（开口）	/	SFG-0.3CPL/A15	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
SFG-CPL/B		Primary conductor 带电流线	4	SFG-0.3CPL/B	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B-A	0.3	6mA DC 20mA AC	IEC62752 UL2231 CCID20
				SFG-0.3CPL/B-B	0.3	5mA AC 20mA AC	UL2231 CCID5 UL2231 CCID20
				SFG-0.3CPL/B-D	0.3	6mA DC	IEC62955
SFG-CPL/B1		Pass through opening 穿心（开口）	-	SFG-0.3CPL/B1	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B1-C	0.3	20mA AC 20mA AC	UL2231 CCID20
SFG-CPL/B2		Pass through opening 穿心（开口）	-	SFG-0.3CPL/B2	0.3	6mA DC 30mA AC	IEC 62752 IEC62955
				SFG-0.3CPL/B2-C	0.3	6mA DC 30mA AC	UL2231 CCID20

充电桩电源模块用电流传感器系列

Current Sensor for Charging Pile Power Module

Current Sensors for Charging Piles

Applied Current Sensor			Applied Current Sensor		
PN-01	STB-CAS		PN-01	STB-CAS/F	
PN-02	STB-CAS/R		PN-02	STB-CAS/R/F	
PN-03	STB-CAS/K		PN-03	STB-CAS/K/F	
V _{cc}	5.0	V	V _{cc}	10 ~ 180	V
I _{pn}	15 ~ 75	A	I _{pn}	6 ~ 75	A
I _{pm}	51 ~ 220	A	I _{pm}	20 ~ 220	A
F _{band}	400	kHZ	F _{band}	400	kHZ
t _r	0.3	μs	t _r	0.3	μs
Acc.	1.1 ~ 3.0	%FS	Acc.	1.1 ~ 3.0	%FS

Current Sensors for Charging Piles

Applied Current Sensor			Applied Current Sensor		
PN-01	STK-616A , STK-616H		PN-01	STK-HD/P, STK-HD/P/G	
PN-02	STK-616K , STK-616T		PN-02	STK-HD/K, STK-HD/K/G	
PN-03	STK-616TBF2		PN-03		
Vcc	3.3 or 5.0	V	Vcc	3.3 or 5.0	V
I _{pn}	10~300	A	I _{pn}	5.0 ~ 50	A
I _{pm}	10~300	A	I _{pm}	10 ~ 125	A
F _{band}	500 ~ 1500	KHZ	F _{band}	600 ~ 1000	KHZ
t _r	0.2 ~ 0.9	μs	t _r	1.0	μs
Acc.	3.0 ~ 3.5	%FS	Acc.	1.5 ~ 3.0	%FS

Applied Current Sensor			Applied Current Sensor		
PN-01	STK-PL/A	STK-PL/Z	PN-01	STK-HO	
PN-02	STK-PL/M		PN-02		
PN-03	STK-PL/AG		PN-03		
Vcc	5.0	V	Vcc	5.0	V
I _{pn}	10 ~ 180	A	I _{pn}	60 ~ 150	A
I _{pm}	25 ~ 450	A	I _{pm}	150 ~ 375	A
F _{band}	300 ~ 1000	kHz	F _{band}	200	kHz
t _r	0.2~1.5	μs	t _r	2.0	μs
Acc.	2.0	%FS	Acc.	3.0	%FS

Applied Current Sensor			Applied Current Sensor		
PN-01	STK-600/M-MPFF&MPSF		PN-01	STK-600/F	
PN-02	STK-600/M-PFF&PSF&PSS		PN-02		
PN-03			PN-03		
Vcc	3.3 or 5.0	V	Vcc	5.0	V
I _{pn}	50, 100	A	I _{pn}	50	A
I _{pm}	50 ~ 400	A	I _{pm}	200 ~ 400	A
F _{band}	120	KHZ	F _{band}	1000	KHZ
t _r	4.6	μs	t _r	0.4	μs
Acc.	3.5	%FS	Acc.	3.5	%FS

