

EXCEL|MATE CC SAE TYPE1 AC CONNECTOR - TECHNICAL CHARACTERISTICS



KEY FEATURES:

Compliant with:
SAE J1772, IEC 62196-2

MECHANICAL	
Mating cycles	> 10,000 cycles
Insertion / withdrawal force	75N Max
ELECTRICAL	
Rated current	L1, L2 : 16A, 20A, 32A, 48A, 80A CS, CP: 2A
Rated voltage	L1, L2 : 240V AC CS, CP: 30V
Withstand voltage	2000V AC
Insulation resistance	> 100MΩ (500V DC)
ENVIRONMENTAL	
Protection degree	Type 3S
Ambient temperature	-30°C to 50°C
MATERIAL	
Shell	Thermoplastic
Shell color	Black
Contact	Copper alloy
Inserts	Thermoplastic
Sealing gasket	Rubber or silicon rubber
Insulator inflammability	UL94V0

LXXX: Cable length (unit in mm)

VERSION A



Part Number		Sensor
16A	HVCOSAEMR3PF501RLXXXX	No temperature sensor available
20A	HVCOSAEMR3PF502RLXXXX	
32A	HVCOSAEMR3PF506RLXXXX	
48A	HVCOSAEMR3PF510RLXXXX	

Compliant with SAE1772

Configuration:

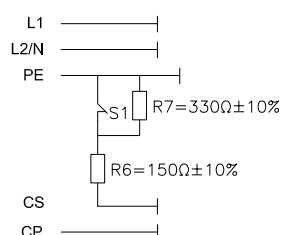
240V | 16A, 20A, 32A or 48A | 1-phase

VERSION B | POTTED VERSION



Part Number		Sensor
32A	HVCOSAEMACPF506LXXXX	N/A
32A	HVCOSAEMACPF506NLXXXX	NTC
32A	HVCOSAEMACPF506PLXXXX	PT1000
48A	HVCOSAEMACPF510NLXXXX	NTC
48A	HVCOSAEMACPF510PLXXXX	PT1000
80A	HVCOSAEMACPF516NLXXXX	NTC
80A	HVCOSAEMACPF516PLXXXX	PT1000

CIRCUIT DIAGRAMS & CABLE SIZE



		Cable size			
Current	80A	48A	32A	20A	16A
L1,L2/N	5 AWG	8 AWG	10 AWG	12 AWG	14 AWG
PE	8 AWG	10 AWG	10 AWG	12 AWG	14 AWG
CS,CP	18 AWG				