

PRODUCT ORDERING CODE

CPF1 #1	4 #2	150 #3	S #4	P #5	A #6	9 #7	4 #8	A #9	0 #10	#11	#12
Series No.	No. of Positions	Max Current Per Pin	Power Pin Plating	Male Female	Max Signal Use	Signal Pin Plating	Body Color	Lock Method	Prevention Key	Options	Product Safety Certification
CPF1 *HV Series	2 *Power Pin	150 AMP *Standard Pin Type 3000 Times	S *Silver Plated	S *Receptacle & Socket	A *6+6 Pins	9 *Gold Plated	4 *Orange Color	0 *W/O Lock & Solenoid Valve 2 in 1 Series	0 *W/O Key P *With Key	0 Front & Rear Mounting all available	0 for UL 1977
	4 *Power Pin				B *6 + USB			A - 2 Way B - 1 Way *With Lock & Solenoid Valve 3 in 1 Series			
CPF2 *Mini HV Series	4 *Blades	75 AMP *Blade Type 500 Times			C *6+0 Pins					1 Front Mounting	A for UL 4128 (See Back View A)
	8 *Blades									2 Rear Mounting	B for UL 4128 (See Back View B)

CPF1



Characteristics

- Rated current : 150A x 2 couple with AWG #2
- Rated voltage : 1000V, both AC and DC
- Dielectric strength : 4250 AC
- Durability : 3,000 cycles
- Locking force : > 40 kgf
- IPX5 in mated condition
- Operating Temperature : -40°C ~ + 125°C

Material

- RoHS Compliant
- Base : High Temperature Plastic UL94V-0
- Cover : High Temperature Plastic UL94V-0
- Power Pin : Copper
- Signal Pin : Copper Alloy

CPF2

Characteristics

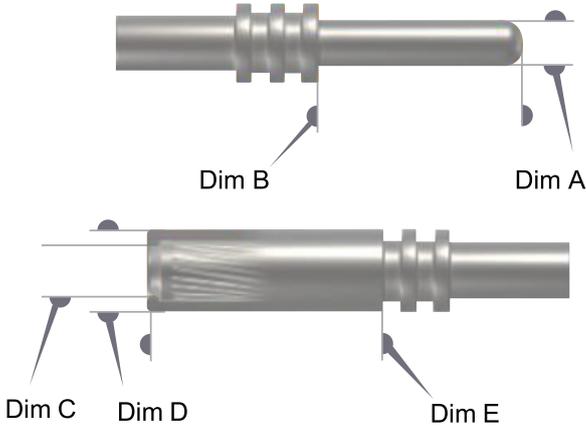
- Rated current : 75A x 4 couple With AWG #6
- Rated voltage : 400V, both AC and DC
- Dielectric strength : 1800V
- Durability : 500 cycles
- Locking force : > 40 kgf
- IP67 in mated condition
- Operating Temperature : -40°C ~ 125°C

Material

- RoHS Compliant
- Base : High Temperature Plastic UL94V-0
- Cover : High Temperature Plastic UL94V-0
- Power Pin : Copper
- Signal Pin : Copper Alloy



HIGH POWER PIN



No	Specification	Size(mm)					Current rating	Recommended wire	Mating force	Life cycles
		A	B	C	D	E				
1	1.5	Φ1.5	11	Φ1.65	Φ3.5	12	10A	16 AWG	10N MAX	10000+
2	2.8	Φ2.8	11	Φ2.95	Φ5.0	12	45A	10 AWG	10N MAX	10000+
3	3.0	Φ3	10	Φ3.15	Φ5.5	11	50A	10 AWG	12N MAX	10000
4	3.6	Φ3.6	11	Φ3.75	Φ6.0	12	70A	8 AWG	12N MAX	10000+
5	4.0	Φ4	9.5	Φ4.15	Φ6.5	10	80A	6 AWG	12N MAX	10000
6	5.0	Φ5	12	Φ5.2	Φ7.5	13	90A	6 AWG	20N MAX	10000+
7	6.0	Φ6	15.5	Φ6.2	Φ8.5	18	120A	4 AWG	15N MAX	10000+
8	8.0	Φ8	19	Φ8.2	Φ12.5	23.5	200A	1/0AWG	15N MAX	10000+
9	10.0	Φ10	21.5	Φ10.2	Φ15	27	300A	3/0AWG	15N MAX	10000
10	12.0	Φ12	22.5	Φ12.2	Φ17	27	400A	250MCM	20N MAX	10000+
11	16.0	Φ16	15	Φ16.2	Φ20.5	16	500A	350MCM	20N MAX	10000
12	18.0	Φ18	15	Φ18.2	Φ23	16	600A	500MCM	20N MAX	10000

PRODUCT SERIES

Torsion Spring



3.6mm Terminal



6.0mm Terminal



3.0mm Terminal



PRODUCT APPLICATION



Storage - UPS



Electric Car / Fast Charging



e-Scooter / e-Bike

SOLAR CONNECTOR (MC4)

Solar Panel dedicated MC4 Connector (MC4 Plug, MC4 Connector)

Solar Panel Connector - Solar Panel Plug-in Connector



Product name : MC4 Connector (compatible with MC4 interface)

- Working current : 20A (4mm²), 30A (6mm²)
- Withstand voltage : DC1000V
- Contact resistance : ≤0.5mΩ
- Insulation resistance : > 500MΩ
- Applicable single-core cable section : 1.5mm²--6mm²
- Cable outer diameter range : Φ5mm ~ Φ7mm
- Ambient temperature : -40 °C ~ +105 °C
- Protection level : IP67
- Security level : II
- Insertion force : ≤50N
- Extraction force : ≥50N
- Insulation material : PA, black
- Contacts : copper cn, nickel plated sn
- Flame retardant grade : UL94-V0
- Terminal connection method : crimp
- Weight : about 0.025kg