

Amphenol®



Amphe-SP3 Single Pole Plastic Power Connectors

Amphe-SP3 are Single Pole Plastic Connectors with RADSOK® Contacts, Amphenol's high current contact technology. The connectors are colored in gray and black and differentiated in two keyway rotations to indicate polarity and prevent potential mating mistakes. Offered with a standard cable gland style receptacle or busbar termination. These connectors are designed for environmental high power applications and have been successfully applied to Outdoor Power Supply, Control Systems, Communications in various industrial markets like Hybrid and Electric Vehicle, Heavy Equipment, Outer Door LED, Factory Automation, etc.

Features:

- High-Current up to 120 amps with low mating force
- Color and Keyway positions of different Polarity to ensure safety while in operation.
- Finger-Proof in unmated situation
- IP67 in mated situation
- Light-Weight
- Cost-Effective
- ROHS compliant

MATERIAL DATA

- Shell and Insert: Thermo Plastic
- Coupling Nut: Thermo Plastic
- Contacts: Copper alloy, 5.7mm RADSOK® (plug side only), Silver Plated (gold plated available per request)
- Cable Gland: Thermo Plastic



Receptacle with Busbar Termination and Pin Contact

| Part Number | Key Way Position | Operating Current | Description |
|----------------|------------------|-------------------|--|
| C10-679103-001 | 120 | 120A | Plug with Socket Contact |
| C10-679104-001 | 120 | 120A | Wall Mount Receptacle with Pin Contact |
| C10-670306-001 | 90 | 120A | Receptacle with Busbar Termination and Pin Contact |
| C10-679103-002 | 90 | 120A | Plug with Socket Contact |
| C10-679104-002 | 90 | 120A | Wall Mount Receptacle with Pin Contact |
| C10-670306-002 | 120 | 120A | Receptacle with Busbar Termination and Pin Contact |

ELECTRICAL DATA

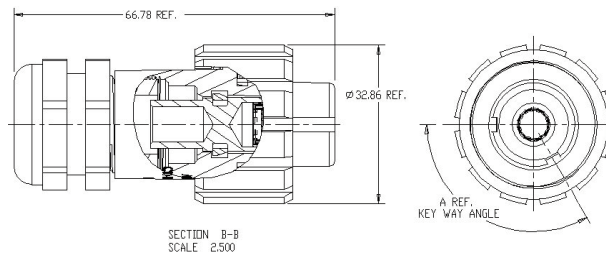
- Operating Voltage: 600V AC Max
- Dielectric withstanding voltage: 3000 VA Min.
- Current Rating: 120A Max
- Insulation Resistance: 5000 Megohms Min at 25C
- Contact Resistance: 5 millionhms Max
- Vibration shock: 980 m/s²

MECHANICAL DATA

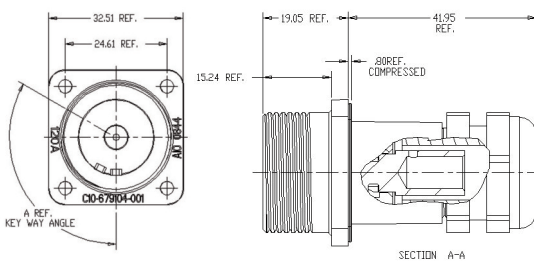
- Operating Temperature: -40C to +125C
- Mating Cycles: 500 times Min
- Salt Fog Spray: NACI 5%, 1000H
- Contact Termination: Crimp
- Contact Size: 4 AWG

PART NUMBERS AND DIMENSIONS

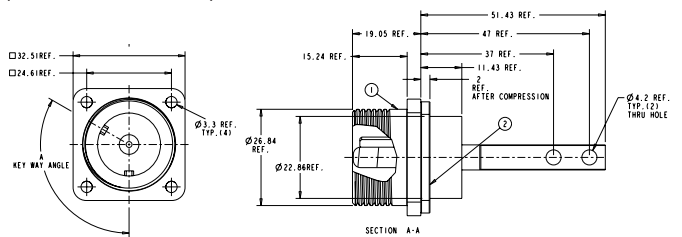
C10-679103
Plug with Socket Contact
(Dimensions in mm)



C10-679104
Wall Mount Receptacle with Pin Contact
(Dimensions in mm)



C10-679306
Receptacle with Busbar Termination and Pin Contact
(Dimensions in mm)



The information contained in this data sheet is for reference only.

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Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



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