

APD 1-way Power Brass Contact

Product extension to offer lower price APD 1-way contact with optimized operating current

The Challenge

ITT Interconnect Solutions' APD 1-way series uses machined high performance copper contacts with silver plating for high power applications. The customer's demand was to buy a cost-effective power contact with an optimized operating current. To offer a parallel to the high power APD 1-way contact, ITT ICS engineered the Power Brass Contact at a lower price.

Perfect Product Solution

ITT ICS has been supporting the commercial vehicles and automotive markets successfully with its APD product range for many years. Based on the input of the customer, ITT ICS is moving forward on the expansion of the product line. The APD 1-way portfolio now includes the lower priced APD 1-way power crimp contact in a brass material, which will be available in the wire ranges 16, 25, 35 and 50 mm². The 50 mm² contacts do have a bunch* for exceptionally large cable outer diameter.

Innovative Interconnect Benefits

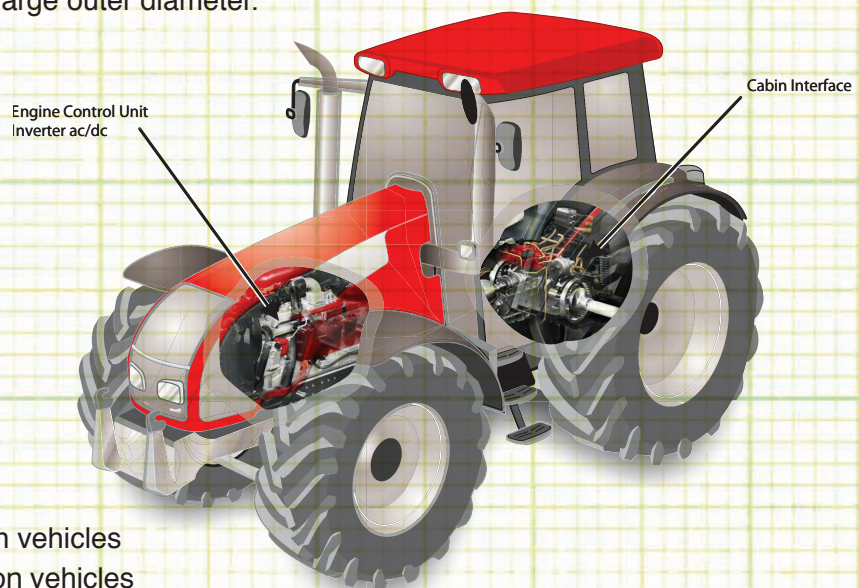
- Excellent price-performance ratio of 20% cheaper than the copper contacts.
- 50 mm² contact with bunch* for the exceptionally large outer diameter.
- Optimized operating current.

Attributes & Values

1. Current rating up to 252A at 25°C (50 mm²).
2. Cable cross section from 16 mm² to 50 mm².

Applications

- Air condition, cooling & heating systems
- Cabins for transportation market and construction vehicles
- Chassis for transportation market and construction vehicles
- Alternative energies, e.g. wind power
- Power train (engine, transmission)
- SCR/NOx applications



* Bunch - circular based collar added to the end of a contact to offer a more stable standing in the housing.