

Amphenol

Amphenol-Tuchel Electronics GmbH

Radsok®

Industrial Power Solutions



Amphenol Radsok®

The Industrial Power Solution

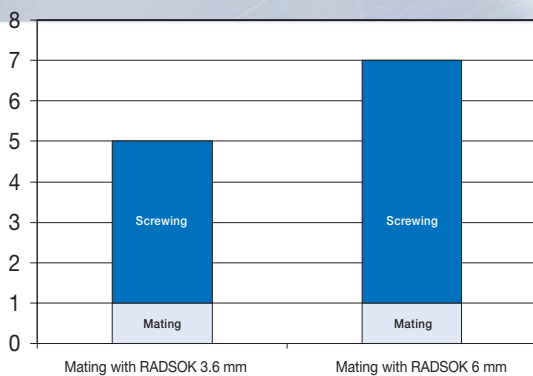
More and more electrical and electronic components require higher amounts of energy. Conventional connection technology is not able to meet such requirements. Pluggable connections are often no longer able to be applied. With Radsok, Amphenol offers a new generation of power contacts. The hyperbolic construction offers many advantages such as contact coverage of up to 65 %, absorption of vibrations as well as durable stability of the contact elements. Current transfer of several hundred Ampere in addition to 20,000 mating cycles is not a problem.

Advantages at a Glance

- Reasonably priced production due to **stamp bending technology**
- Up to 75% quicker connection than by screw connections
- Extremely high number of mating cycles possible
- Durable spring characteristics due to grid elements
- Strong stability of the contact spring element
- Contact coverage up to 65%
- Self-cleaning effect by mating and unmating
- Absorption of vibrations



Cost Comparison Screwing vs. Mating



Cost Comparison

Radsok contacts also offer clear cost advantages over screw technology.



Application Orientated Solutions

Amphenol-Tuchel also has a very wide range of standard connectors available. This ability, along with a specialised development team, gives you the opportunity to acquire application specific system solutions.

Our development team has an extensive knowledge base and the latest CAD and CAE capabilities in order to design optimal connection solutions. Production criteria regarding processes

Amphenol Radsok® Connectors

C16-3

These connectors have robust plastic housing with bayonet locking. Therefore quick handling is possible. The C16 series has a distinctive price/performance ratio. Protection type IP 65 enables the application in the field of industry.

Versions:

- Single contact version with 8 mm contacts for currents up to 200 A
- 3 contacts version with 6 mm contacts for currents up to 140 A
- 3 contacts version with 3.6 mm contacts for currents up to 60 A



C146 Modular System

The C146 M series allows individual connectors to be assembled. Altogether there are 12 various modules available from signal to Industrial Ethernet to 1000 V modules. The supply of high power consuming equipment is also possible with the new Radsok high current module. The large variety of housing sizes and designs enables application in nearly all industrial areas. The Radsok module has two 6 mm contacts and is suited for currents up to 160 A.



Series 44

Cost effective waterproof alternative for outdoor usage. The push-pull mating principle enables a quick and easy handling for the most diverse areas of application such as photo-voltaic devices, commercial vehicles and marine usage.

Versions:

- single contact version with 8 mm contact for currents up to 200 A
- 2 contact version with 3.6 mm contacts for currents up to 60 A

such as FEA and moldflow analyses has been taken into consideration since the first steps of development. Methods such as Rapid Prototyping and our in house prototype department can provide functional samples and small series in short lead times. Our surface and test laboratory, which has an extensive array of equipment, tests the quality of the sample and series products using elaborate test programs in order to assure 100% customer satisfaction.



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General information



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