



Amphe-RXS Connector Series:

Amphenol Industrial is able to mix power and signal terminals into one compact package. These robust connectors are perfect for batteries, devices, motors and systems where space is at a premium.

The Amphe-RXS incorporates Amphenol's RADSOK® technology for higher amperage, lower t-rise, less resistance and lower mating forces. Because RADSOK® allows ~50% more amperage through the same size pin, using them in the Amphe-RXS makes it extremely compact. These power terminals can range in size from 2.4 mm to 5.7 mm (up to 120 A continuous). For the signal terminals, we offer the high vibration/ low insertion force AHVB (see Data Sheet IDS-84-1) or standard contacts from sizes 22 to 16. This all-in-one connection system can accommodate a variety of easy locking solutions like plastic or metal lock tabs or small screws. Lever locks and jack screws, which are bulky, costly, complex and often unreliable, are not needed.

The cost-effective Amphe-RXS offers a variety of options to meet the needs of any user including; sealing methods, crimp/ solder/ PCB mountings, as well as shielding or blind mating. The connectors can also be overmolded with leads for a value added solution.

Features:

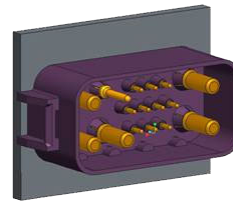
- RADSOK® power terminals size 2.4mm to 5.7mm (up to 120 A continuous)
- Signal terminals can be standard or high vibration (AHVB contacts) in sizes 22 to 16
- Terminals can be crimp or solder or mate to a PCB board
- Temperatures up to 150°C
- Hand mated (no levers or large bolts)
- High mating cycles possible
- Blind mating possible
- Several locking styles like plastic or metal clips or small screws
- Sealed (IP67/ IP69k) or unsealed
- Shielded or unshielded
- Over-molded possible to supply an assembly
- RoHS compliant



Design Kick Starter:

Submit to Tech@amphenol-aio.com

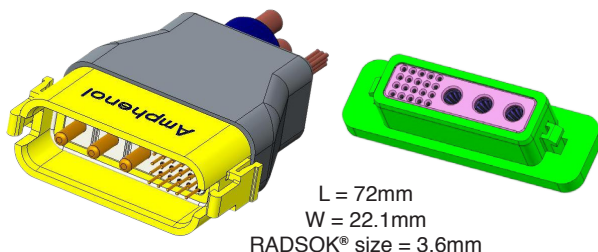
1	Number of Power terminals	
2	Number of Signal terminals	
3	Continuous amperage of Power terminals	
4	Peak amperage of Power terminals	
5	Peak amperage duration of Power terminals	
6	Plug terminal type: crimp/solder, PCB	
7	Receptacle terminal type: crimp/solder PCB	
8	Plug has pins or sockets? (Receptacle vice versa)	
9	Annual Volume	
10	Sample target date	
11	Locking style? Small screws, plastic locks, other?	



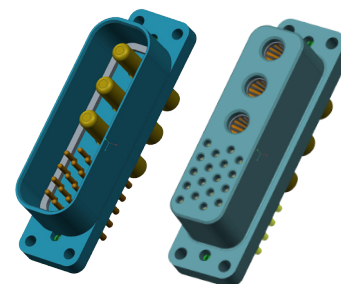
L = 84mm
W = 35mm
RADSOK® size = 5.7mm

		YES	NO
A	Are signal terminals less than 5A continuous?		
B	Is the temperature 125C or lower?		
C	Sealed IP67 mated (immersion)		
D	Sealed IP69k mated (spray)?		
E	Shielding needed?		
F	High vibration terminals needed (above 20 grms)?		
G	Are mating cycles over 100?		
H	Blind mating needed?		
I	Is scoop proofing required?		
J	Is first mate last break required?		
K	Interested in over-mold or cable assemblies?		

Other: _____



L = 72mm
W = 22.1mm
RADSOK® size = 3.6mm



L = 81mm
W = 21mm
RADSOK® size = 5.7mm

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.

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