Amphenol

Connecting People and Technology

Amphenol®GEC

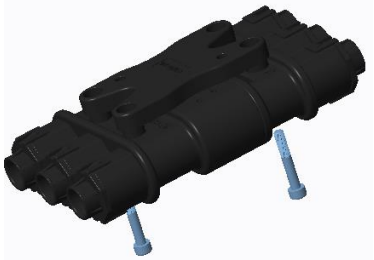
Factory Automation- Industrial Robotics

Amphenol® RoboLok™

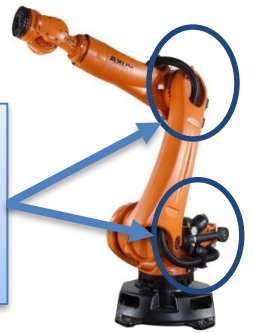
Amphenol's RoboLok™ Power Connecter

- Quick disconnect solution for a minimized downtime and maintenance costs.
- **Contact reliability thanks to RADSOK® technology, delivering the highest current ratings.**
- Fast integration and easy maintenance – Assembled by hand without any special tools.
- **Compact, modular design with superior performance.**
- First mate/last break PE-contact for additional safety.
- A solution for even with mixed cable cross-sections.
- **2 + PE, max. 1000 V AC OR DC**
  - **240 A max (60K T-Rise)**
- **Operating Temperature Range of -40℃ - +100℃.**

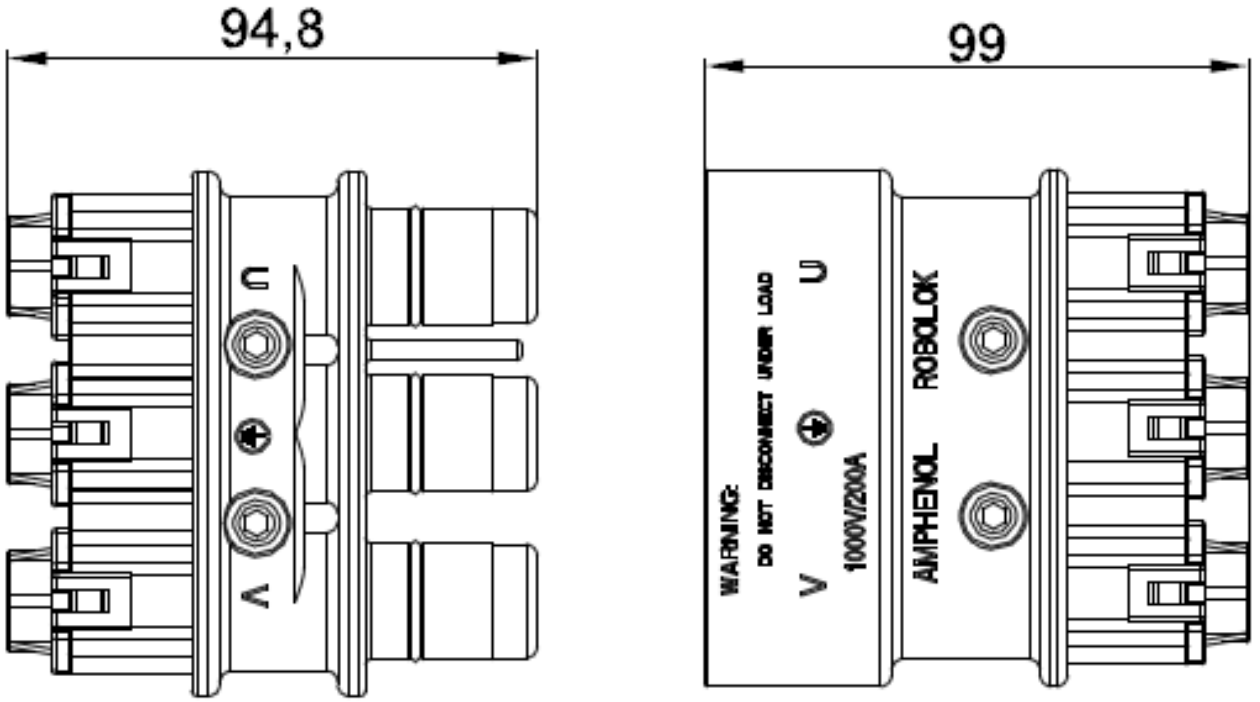
Contact System with 8.0mm RADSOK® R4	
4 AWG | 25mm²	100A (40K T-Rise)
2 AWG | 35mm²	150A (40K T-Rise)
1/0AWG | 50mm²	200A (40K T-Rise)



Common Application:
Arm & Bottom of an Industrial Robot



Product Dimensions (Unmated)



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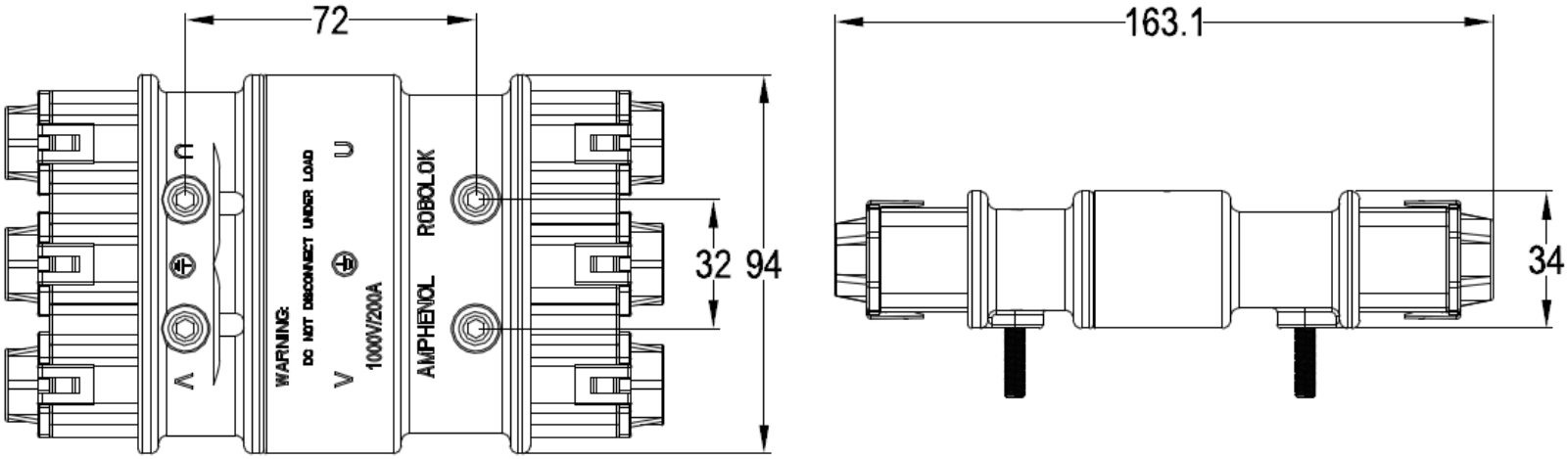
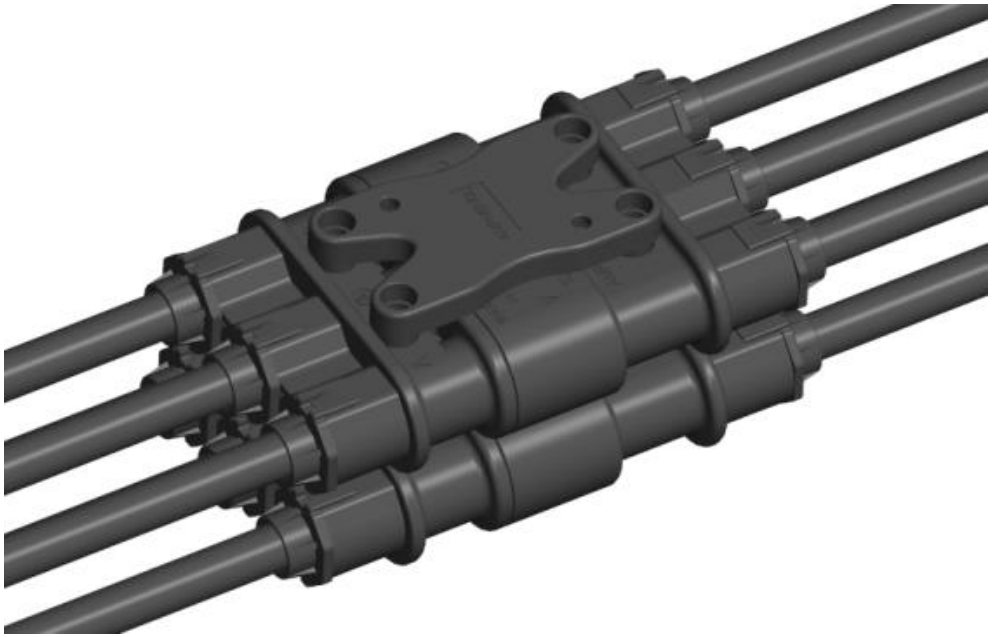
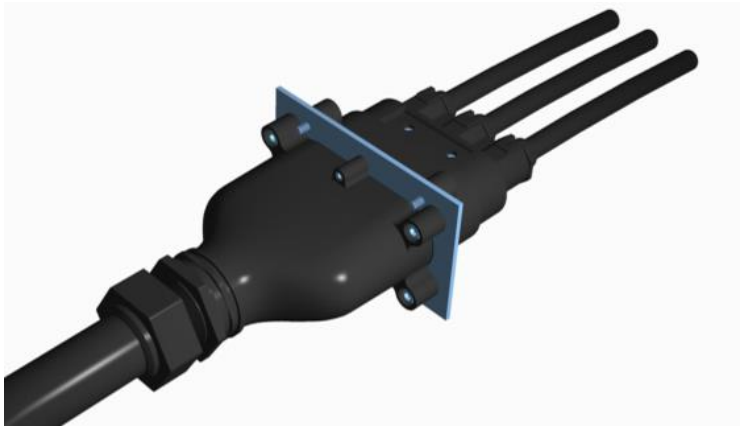
Product Dimensions (Mated)



Amphenol® RoboLok™

Future RoboLok™ Models

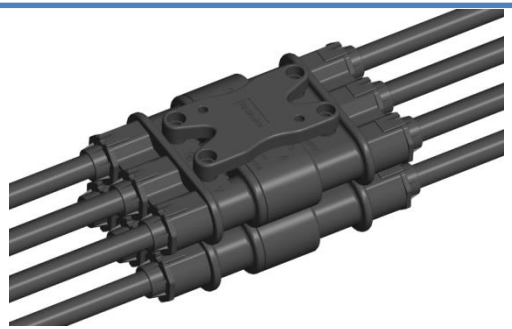




New RoboLok™ TwinLok & Multi-Conductor Designs

RoboLok™ –TwinLok Design

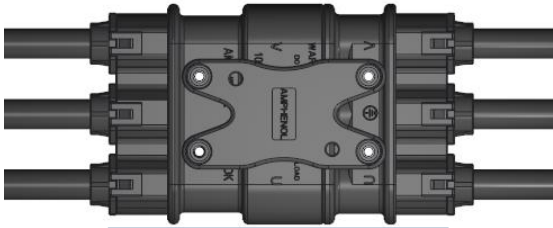
- Combines Two Standard RoboLok™ Connector Assemblies:
  - Max. current 480A (60K T-Rise) // UL: 400A (40K T-Rise)
- Firm and Reliable Screw Secured Design
- Wall mountable and mobile mountable



Mobile Mounting

Wall Mounting

Front View



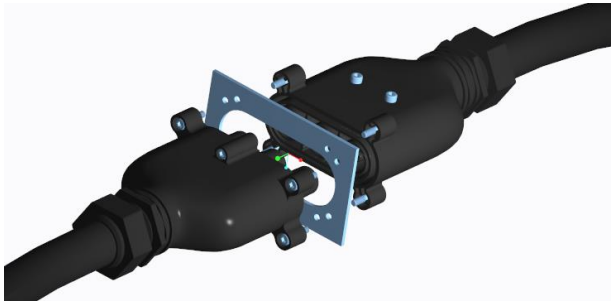
Top View

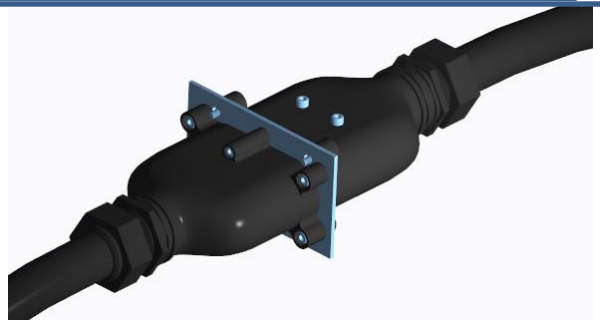
Bottom View

RoboLok™ Multi-Conductor Cable Design

- **Flange Mounted.**
- **Currently there are two designs to choose from (Depending on the application).**

Multi-Conductor to Multi-Conductor Design

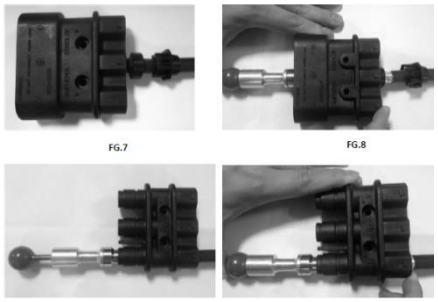




Multi-Conductor to Single Conductor Design

RoboLok's Competitive Advantage

- RoboLok™ offers customers a more cost effective construction, maintenance, and installation.
- RoboLok™ provides customers with a more reliable and simplified installation/ maintenance .
- RoboLok™ offers superior contact performance from RADSOK® **technology** with a 240A Max current rating (60K T-Rise).
- RoboLok™ can operate in harsher environments due to a more durable construction and broader operation temperature range.



240A Max (60K T-Rise)

Thanks!