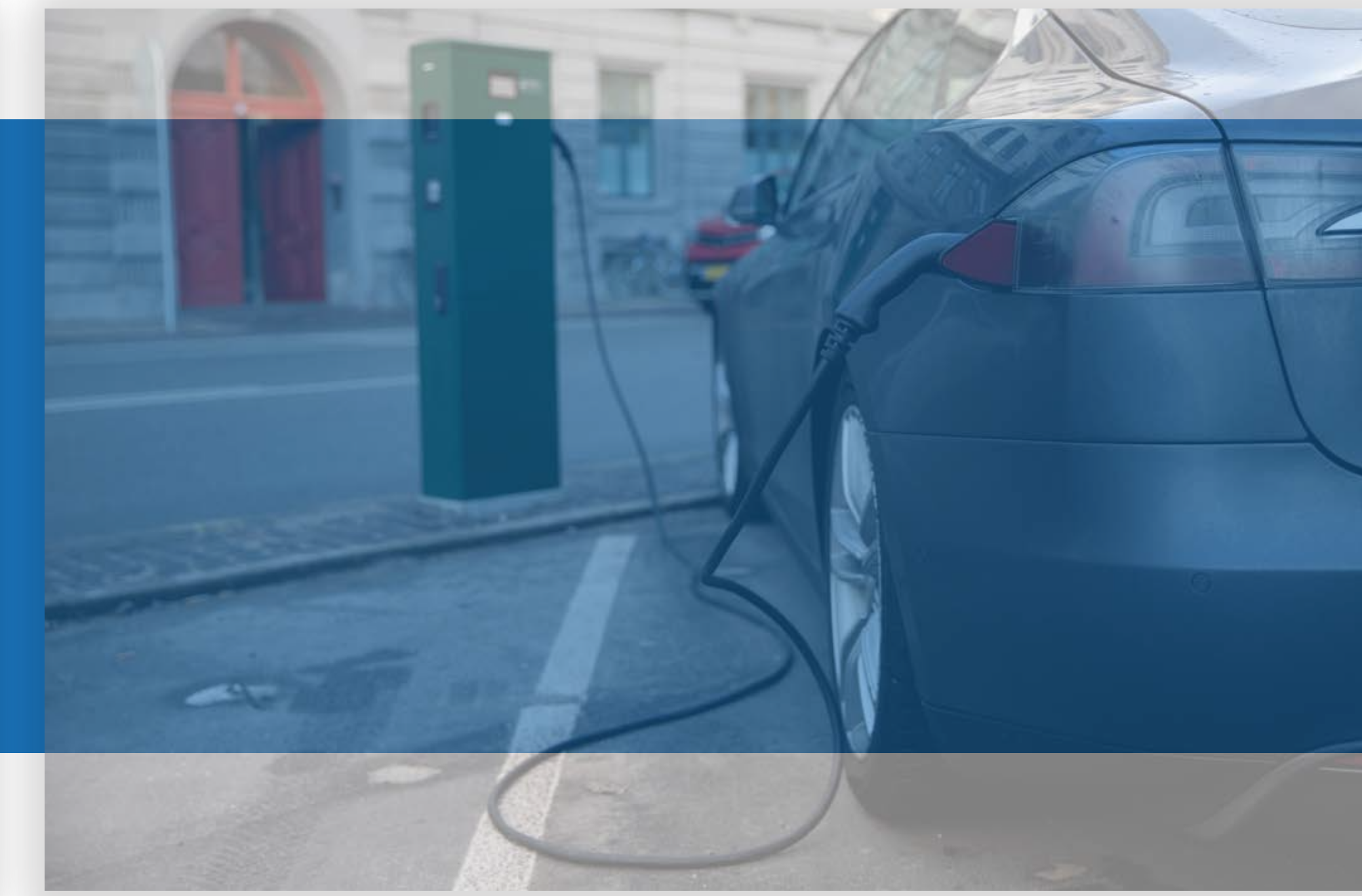


SurLok Plus®



TARGETED APPLICATIONS



EV
HEV



Energy Storage

Rail Mass Transit

Process Control



Medical



Heavy Equipment

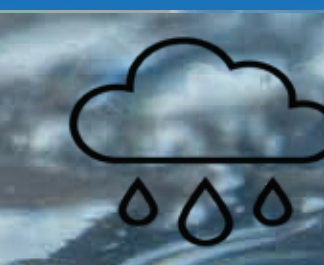
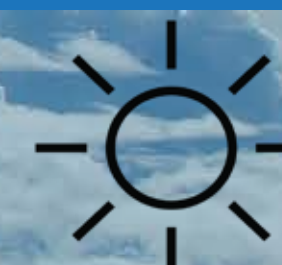


FEATURES

- R4 RADSOK® Technology
- 1000V DC and 1500V DC options
- 50A ~ 500A Series Range
- Thermosplastic housing
- IP67 or IP6K9K depending on size or voltage rating
- Touch Proof
- Flammability: UL 94 V-0
- Quick lock and press-to-release design
- “Keyway” design to prevent incorrect mating
- 360° rotating plug
- Various termination options (Threaded, Crimp, Busbar)
- Compact robust design
- EMI Shielding and HVIL Function available (8.0mm and 14mm)
- Secondary locking system (EMI Versions)
- UL1977/4128 and TUV 2PFG2740 certified
- RoHS and REACH compliant

Amphenol
Industrial

www.amphenol-industrial.com



Specification		3.6 mm	5.7 mm	8.0 mm	8.0 mm EMI	10.3 mm	12.0 mm	14.0 mm
Rated Voltage	1000V DC 1500V DC	1500V DC	1000V DC 1500V DC	1000V DC 1500V DC	1000V DC	1000V DC 1500V DC	1500V DC	1500V DC
Current Rating		30A~70A	100A~120A	120A~200A	150A~250A	200A~350A	300A~400A	350A~500A
Operating Temperature	(-40℃) ~105℃ (-40℃) ~125℃	(-40℃) ~125℃	(-40℃) ~105℃ (-40℃) ~125℃	(-40℃) ~105℃ (-40℃) ~125℃	(-40℃) ~105℃	(-40℃) ~105℃ (-40℃) ~125℃	(-40℃) ~125℃	(-40℃) ~125℃
Ingress Protection	IP67	✓	✓	✓	✓	✓	✓	✓
Flammability	UL 94 V-O	✓	✓	✓	✓	✓	✓	✓
Locking	CPA Spring	Spring	Spring	Spring	CPA Spring	Spring	Spring	CPA Spring
360 Rotating	Plug		✓	✓	✓			
RoHS compliant	Yes	✓	✓	✓	✓	✓	✓	✓
EMI Shielding	EMI Option				✓			✓
HVIL Function	HVIL Option				✓			✓
Durability	>=100 Cycles	✓	✓	✓	✓	✓	✓	✓

Amphenol Industrial SurLok Plus® Series is ideal for HEV battery, server, and various industrial applications, since it can be used as a new install or with existing lugs, but requires no precision torquing due to its quick lock and press-to-release design. The connector features R4 RADSOK® contact technology with various termination options (Threaded, Crimp, Busbar). SurLok Plus® is field installable, IP67 rated and RoHS compliant. The SurLok Plus® has a wide operating temperature range (-40°C to 125°C) and meets UL94 V-O (self extinguishing) requirements. Mates with existing lugs, can be EMI or Non-EMI, and is backed by the Amphenol guarantee.