



## SurLok Plus™ EMI Version

Amphenol Industrial Operations now offers an 8.0mm SurLok Plus™ product with EMI protection.

The SurLok Plus™ compression lug is a field installable, highly reliable alternative to common compression lugs. Using industry standard crimp, screw, and busbar termination options, thus eliminating the need to purchase special torque tools.

Amphenol's SurLok Plus™ is environmentally sealed and features a quick lock and press-to-release design. Incorporating the latest R4 RADSOK® Technology, SurLok Plus™ is a compact, quick mating, and robust product line.

The RADSOK® high amperage contact technology utilizes high tensile strength properties of a stamped and formed, high conductivity alloy grid to produce low insertion forces while maintaining a large conductive surface area.

The R4 version of the RADSOK® represents the culmination of three years of research and development in laser welding copper based alloys.

The SurLok Plus™ EMI version has all of the high performance of the original but features EMI shielding which lends itself well to the EV market and its applications.

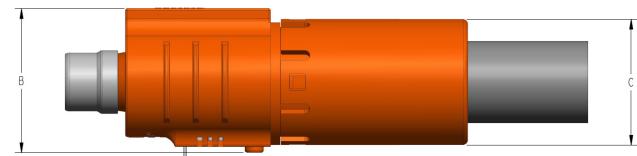
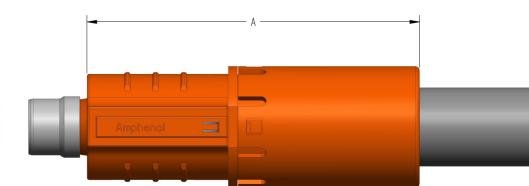
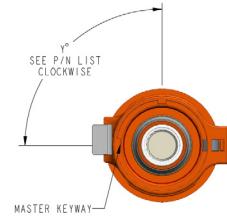
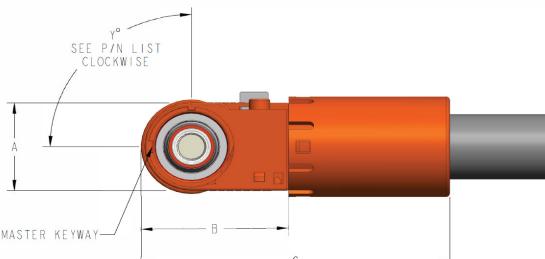
### Features:

- EMI shielding
- HVIL function
- Secondary locking system
- Flammability: UL 94 V-0
- Wide amperage range: 150A~250A
- RoHS compliant

Technical Data			
<b>Contact Size</b>	5.7mm (120A) 8.0mm (200A) 10.3mm (300A)	<b>IP Rating</b>	IP 67
<b>Current Rating</b>	120A~300A	<b>Protection</b>	Touch Proof
<b>Operating Voltage</b>	1000V AC/DC	<b>Flammability</b>	UL 94-V0
<b>Operating Temp</b>	-40°C to 125°C	<b>Locking</b>	Spring Locking

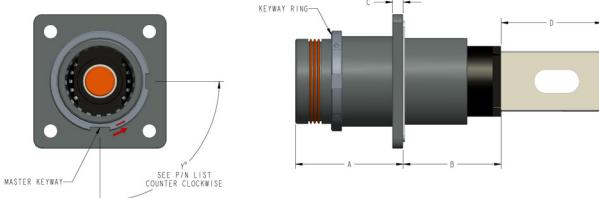
The markets and applications for the SurLok Plus™ EMI Version series include but are not limited to the following:

- **EV/HEV**
- **Rail Mass Transit**
- **BMS/Energy Storage**
- **Process Control/Automation**
- **Medical**
- **Heavy Equipment**



Size	Right Angle Plug Dimensions			
	A	B	C	D
8.0mm	26.2	41.2	86.2	25.8

Size	Straight Plug Dimensions		
	A	B	C
8.0mm	82.5	34.3	30.0



Size	Receptacle Dimensions			
	A	B	C	D
8.0mm	25.15	22.85	2.5	23.5

Product Series: SurLok Plus™ EMI Version	Plug		RADSOOK® Size	Applicable Cable Size		Backshells		Sealing		Connector Color		Keyway		EMI	HVIL (Optional)	
	P	Right Angle Plug 90°		B	35	35mm² : 150 Amps	B	W/ Backshells	S	IP67 Sealed (W/ Grommet & O-Rings)	O	Orange	0	90°		
SLP	P	Right Angle Plug 90°	B	8.0mm	35	35mm² : 150 Amps	B	W/ Backshells	S	IP67 Sealed (W/ Grommet & O-Rings)	O	Orange	0	90°	E	EMI
					50	50mm² : 200 Amps					B	Black	1	270°		
	IP	Straight Plug			70	70mm² : 250 Amps	N	W/O Backshells (For Overmolding Only)	N	Non-Sealed	R	Red	2	60°		
	3	120°														
	4	150°														

Product Series: SurLok Plus™ EMI Version	Receptacle		RADSOOK® Size	Termination Style	Panel Mount	Sealing		Connector Color		Keyway		EMI	HVIL (Optional)
	R	Receptacle (W/O Keyway)				S	IP67 Sealed (W/ Grommet & O-Rings)	O	Orange	0	90°		
SLP	R	Receptacle (W/O Keyway)	B	8.0mm	B	Panel Mount W/ Flange	IP67 Sealed (W/ Grommet & O-Rings)	O	Orange	1	270°	E	EMI
										2	60°		
	IR	Receptacle (W/ Keyway)				N	Non-Sealed	R	Red	3	120°		
	4	150°											

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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