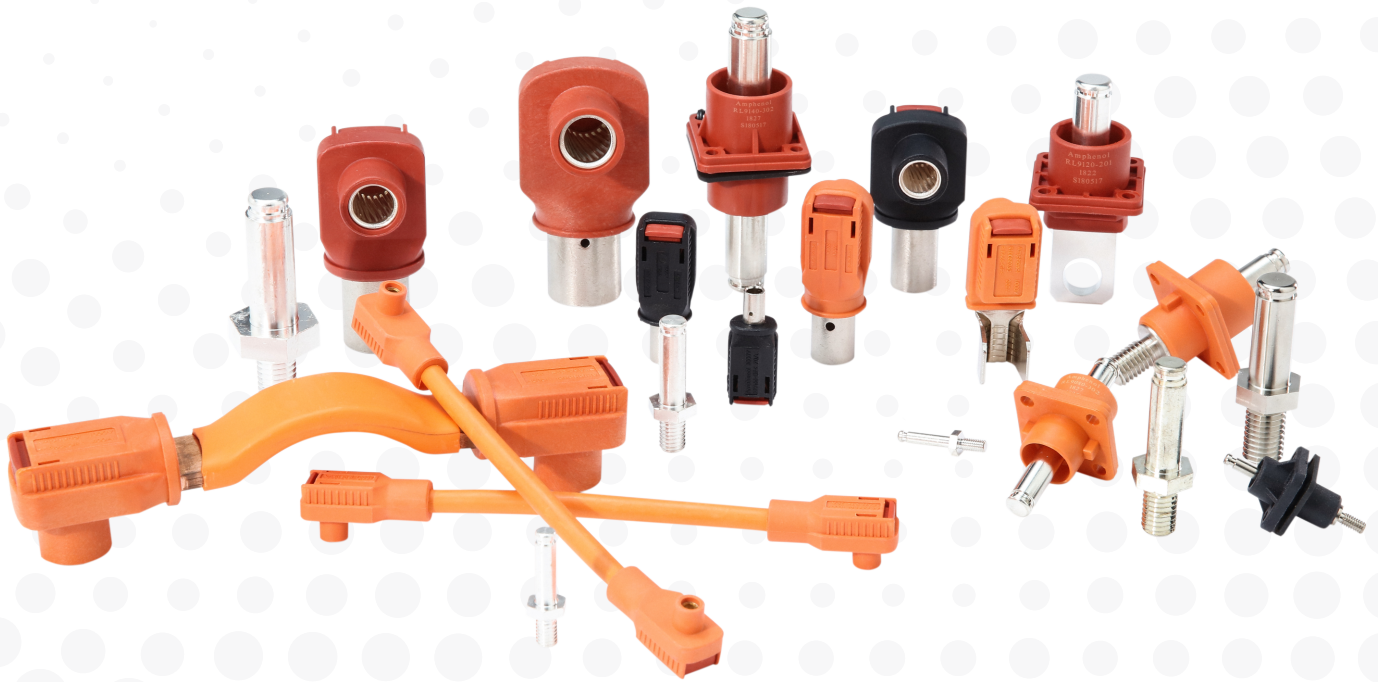
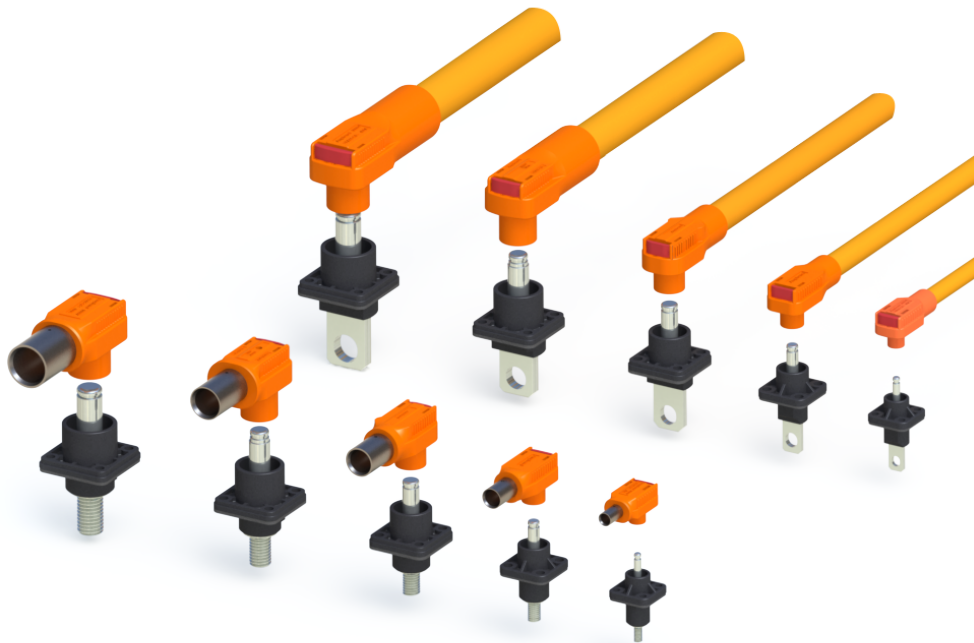




RADLOK™ CONNECTOR



RADLOK™ CONNECTOR



Description

RadLok™ is a 1000V low cost tool free power interconnect utilizing RADSOK® contact technology available with current ratings from 70A to 500A. RadLok™ is designed for energy storage, battery, and device power interconnects. RadLok's quick connect and single finger press to release lock function replaces tools and hardware associated with standard lug terminals in their assembly and maintenance. Mating pins and receptacles available for bus bar and panel mount configurations with lug, thread, or mating RadLok™ pin terminations. Available in orange, red, and black as discrete connectors or as molded cable assemblies.

Key Features

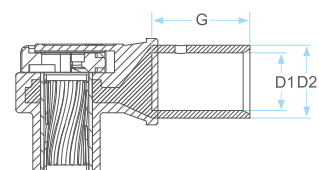
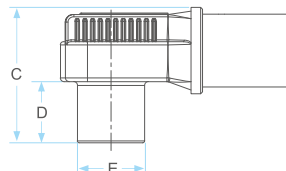
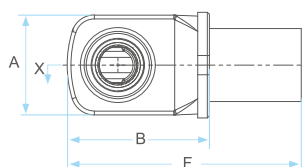
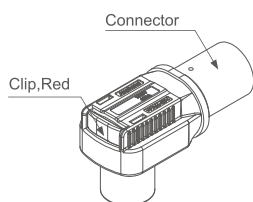
- | | |
|---|--|
| ⦿ Mating Cycle: 100Min | ⦿ Inflammability: UL94V-0 |
| ⦿ Current Rating: 70A-500A | ⦿ Tool-Free Mechanical Locking |
| ⦿ Operating Voltage: 1000VDC | ⦿ RoHS complaint |
| ⦿ Temperature Range: -40°C~+125°C | ⦿ Available in black, red, orange(contact us for customized color) |
| ⦿ Available in 3.6mm, 5.7mm, 8.0mm, 10.0mm, 12.0mm, 14.0mm pin size | |

RADLOK™ Plug

Plug

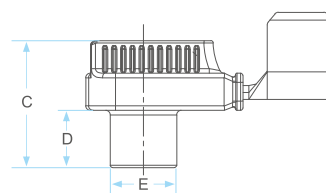
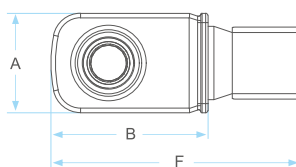
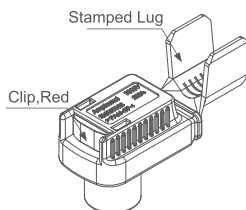


Tubular Version



RADLOK® Size(mm)	Recommended Cable Size(mm²)	Current(A)	Tubular Lug Version Dimensions(mm)								
			A	B	C	D	E	F	G	D1	D2
3.6	10	70	15.5	27.0	18.3	7.3	8.1	38.0	11.0	5.0	6.7
5.7	16	90	18.5	33.0	23.8	9.4	11.5	47.7	19.0	5.5	8.5
	25	120						47.7	19.0	7.2	9.5
8.0	35	150	21.7	39.6	27.7	11.8	14.6	56.0	22.0	9.2	11.5
	50	200						58.0	24.0	11.0	14.2
10.0	50	200	25.7	37.0	35.3	15.9	17.5	58.9	22.0	11.0	13.9
	70	250						60.9	24.0	12.0	15.5
	95	300						60.9	25.5	15.0	19.0
12.0	120	400	33.0	44.5	37.2	15.0	20.0	70.5	28.0	17.0	21.2
14.0	135	450	42.0	55.0	48.5	22.3	23.0	80.0	28.0	18.2	23.5
	150	500							28.0	19.0	24.0

Stamped Version

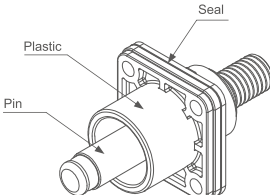
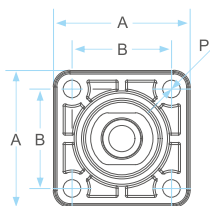
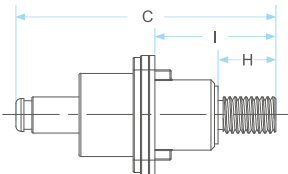
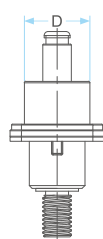
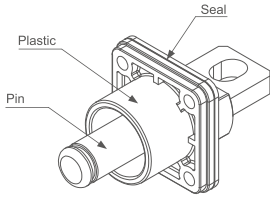
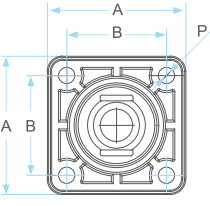
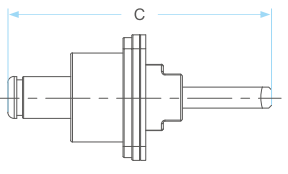
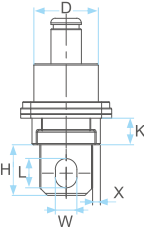
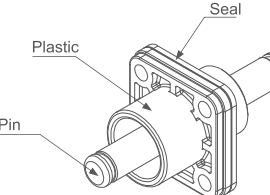
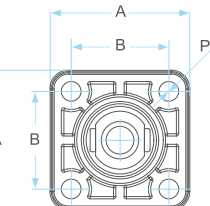
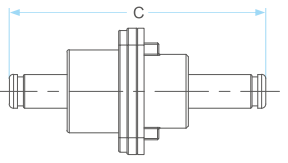
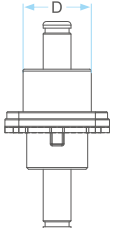


RADLOK® Size(mm)	Recommended Cable Size(mm²)	Current(A)	Tubular Lug Version Dimensions(mm)					
			A	B	C	D	E	F
3.6	10	70	15.5	27.0	18.0	7.3	8.1	38.8
5.7	16	90	18.5	30.0	21.9	9.2	11.2	43.6
	25	120						
8.0	35	150	21.7	34.3	27.7	12.5	14.5	50.1
	50	200						54.4
10.0	50	200	25.7	35.7	33.8	16.6	17.0	62.0
	70	250						
12.0	95	300	28.5	44.5	33.8	15.0	20.0	70.3
	120	400						

Ordering Information-RADLOK™ Plug

RL 0 080 1 - 35 BK									
Product Type	Termination Type		RADSOK® Size		Lug Type	Cable Size(mm) / Current		Connector Color	
RADLOK™	0	RADLOK™ Plug	036	3.6mm	1-Tubular 2-Stamped	10	70A	Blank: Orange BK: Black RE: Red	
			057	5.7mm		16	90A		
			080	8.0mm		25	120A		
						35	150A		
						50	200A		
			100	10.0mm		35	150A		
						50	200A		
						70	250A		
						95	300A		
						120	400A		
			120	12.0mm		135	450A		
			140	14.0mm		150	500A		
Tubular Lug Version		Stamped Lug Version		Selection Description					
Description	Part Number	Description	Part Number						
RL00361-10	AC-HA000222	RL00362-10	AC-HA002440	3.6mm Pin, 10mm² Cable, 70A, ORANGE					
RL00571-16	AC-HA000223	RL00572-16	AC-HA007996	5.7mm Pin, 16mm² Cable, 90A, ORANGE					
RL00571-25	AC-HA000224	RL00572-25	AC-HA002441	5.7mm Pin, 25mm² Cable, 120A, ORANGE					
RL00801-35	AC-HA000225	RL00802-35	AC-HA002442	8.0mm Pin, 35mm² Cable, 150A, ORANGE					
RL00801-50	AC-HA000226	RL00802-50	AC-HA002443	8.0mm Pin, 50mm² Cable, 200A, ORANGE					
RL01001-50	AC-HA000229	RL01002-50	-	10.0mm Pin, 50mm² Cable, 200A, ORANGE					
RL01001-70	AC-HA000230	RL01002-70	AC-HA006613	10.0mm Pin, 70mm² Cable, 250A, ORANGE					
RL01001-95	AC-HA000231	RL01002-95	AC-HA002444	10.0mm Pin, 95mm² Cable, 300A, ORANGE					
RL01201-120	AC-HA000232	RL01202-120	AC-HA002445	12.0mm Pin, 120mm² Cable, 400A, ORANGE					
RL01401-135	AC-HA004330	RL01402-135	-	14.0mm Pin, 135mm² Cable, 450A, ORANGE					
RL01401-150	AC-HA000233	RL01402-150	AC-HA003666	14.0mm Pin, 150mm² Cable, 500A, ORANGE					
RL00361-10RE	AC-HA000422	RL00362-10RE	AC-HA007995	3.6mm Pin, 10mm² Cable, 70A, RED					
RL00571-16RE	AC-HA000423	RL00572-16RE	AC-HA003618	5.7mm Pin, 16mm² Cable, 90A, RED					
RL00571-25RE	AC-HA000424	RL00572-25RE	AC-HA003526	5.7mm Pin, 25mm² Cable, 120A, RED					
RL00801-35RE	AC-HA000425	RL00802-35RE	AC-HA007557	8.0mm Pin, 35mm² Cable, 150A, RED					
RL00801-50RE	AC-HA000426	RL00802-50RE	AC-HA007555	8.0mm Pin, 50mm² Cable, 200A, RED					
RL01001-50RE	AC-HA000429	RL01002-50RE	-	10.0mm Pin, 50mm² Cable, 200A, RED					
RL01001-70RE	AC-HA000430	RL01002-70RE	AC-HA008002	10.0mm Pin, 70mm² Cable, 250A, RED					
RL01001-95RE	AC-HA000431	RL01002-95RE	AC-HA008004	10.0mm Pin, 95mm² Cable, 300A, RED					
RL01201-120RE	AC-HA000432	RL01202-120RE	AC-HA008006	12.0mm Pin, 120mm² Cable, 400A, RED					
RL01401-135RE	AC-HA004332	RL01401-135RE	AC-HA004332	14.0mm Pin, 135mm² Cable, 450A, RED					
RL01401-150RE	AC-HA000433	RL01402-150RE	AC-HA007997	14.0mm Pin, 150mm² Cable, 500A, RED					
RL00361-10BK	AC-HA000272	RL00362-10BK	AC-HA007994	3.6mm Pin, 10mm² Cable, 70A, BLACK					
RL00571-16BK	AC-HA000273	RL00572-16BK	AC-HA003619	5.7mm Pin, 16mm² Cable, 90A, BLACK					
RL00571-25BK	AC-HA000274	RL00572-25BK	AC-HA003527	5.7mm Pin, 25mm² Cable, 120A, BLACK					
RL00801-35BK	AC-HA000275	RL00802-35BK	AC-HA007556	8.0mm Pin, 35mm² Cable, 150A, BLACK					
RL00801-50BK	AC-HA000276	RL00802-50BK	AC-HA007554	8.0mm Pin, 50mm² Cable, 200A, BLACK					
RL01001-50BK	AC-HA000279	RL01002-50BK	-	10.0mm Pin, 50mm² Cable, 200A, BLACK					
RL01001-70BK	AC-HA000280	RL01002-70BK	AC-HA008001	10.0mm Pin, 70mm² Cable, 250A, BLACK					
RL01001-95BK	AC-HA000281	RL01002-95BK	AC-HA008003	10.0mm Pin, 95mm² Cable, 300A, BLACK					
RL01201-120BK	AC-HA000282	RL01202-120BK	AC-HA008005	12.0mm Pin, 120mm² Cable, 400A, BLACK					
RL01401-135BK	AC-HA004331	RL01402-135BK	-	14.0mm Pin, 135mm² Cable, 450A, BLACK					
RL01401-150BK	AC-HA000283	RL01402-150BK	AC-HA006614	14.0mm Pin, 150mm² Cable, 500A, BLACK					

RADLOK™ Receptacle

Receptacle																																																																																																																																																																																																																																					
Pin-Thread     <table><tr><th rowspan="2">Pin End</th><th rowspan="2">RADSOK® Size(mm)</th><th rowspan="2">Current(A)</th><th colspan="8">Pin-Thread Dimensions(mm)</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th><th>H</th><th>I</th><th>Thread</th><th>P</th></tr><tr><td rowspan="5">Pin-Thread</td><td>3.6</td><td>70</td><td>21.0</td><td>14.0</td><td>43.9</td><td>11.9</td><td>8</td><td>22.2</td><td>M4*0.7-6g</td><td>M3</td></tr><tr><td>5.7</td><td>120</td><td>25.0</td><td>17.0</td><td>49.6</td><td>15.2</td><td>10</td><td>24.2</td><td>M6*1.0-6g</td><td rowspan="4">M4</td></tr><tr><td>8.0</td><td>200</td><td>30.0</td><td>21.0</td><td>56.4</td><td>19.6</td><td>12</td><td>25.0</td><td>M8*1.25-6g</td></tr><tr><td>10.0</td><td>300</td><td>33.0</td><td>24.0</td><td>67.0</td><td>23.0</td><td>16</td><td>29.0</td><td>M10*1.5-6g</td></tr><tr><td>12.0</td><td>400</td><td>36.0</td><td>26.0</td><td>72.0</td><td>25.5</td><td>20</td><td>33.0</td><td>M12*1.75-6g</td></tr><tr><td></td><td>14.0</td><td>500</td><td>37.0</td><td>27.0</td><td>83.0</td><td>28.0</td><td>23</td><td>36.0</td><td>M12*1.75-6g</td><td></td></tr></table> Pin-Lug     <table><tr><th rowspan="2">Pin End</th><th rowspan="2">RADSOK® Size(mm)</th><th rowspan="2">Current(A)</th><th colspan="8">Pin-Lug Dimensions(mm)</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th><th>H</th><th>L</th><th>W</th><th>X</th><th>K</th><th>P</th></tr><tr><td rowspan="5">Pin-Lug</td><td>3.6</td><td>70</td><td>21.0</td><td>14.0</td><td>46.7</td><td>11.9</td><td>13.5</td><td>5.0</td><td>4.2</td><td>1.9</td><td>11.3</td><td>M3</td></tr><tr><td>5.7</td><td>120</td><td>25.0</td><td>17.0</td><td>53.6</td><td>15.2</td><td>16.0</td><td>7.0</td><td>6.3</td><td>2.0</td><td>12.0</td><td rowspan="4">M4</td></tr><tr><td>8.0</td><td>200</td><td>30.0</td><td>21.0</td><td>62.5</td><td>19.6</td><td>22.5</td><td>10.0</td><td>8.5</td><td>2.7</td><td>8.0</td></tr><tr><td>10.0</td><td>300</td><td>33.0</td><td>24.0</td><td>70.0</td><td>23.0</td><td>22.5</td><td>12.5</td><td>10.5</td><td>3.55</td><td>9.5</td></tr><tr><td></td><td>12.0</td><td>400</td><td>36.0</td><td>26.0</td><td>77.5</td><td>25.5</td><td>27.5</td><td>14.0</td><td>13.0</td><td>3.0</td><td>10.5</td></tr><tr><td></td><td>14.0</td><td>500</td><td>37.0</td><td>27.0</td><td>90.0</td><td>28.0</td><td>29.0</td><td>15.5</td><td>14.5</td><td>2.3</td><td>13.0</td><td></td></tr></table> Pin-Pin     <table><tr><th rowspan="2">Pin End</th><th rowspan="2">RADSOK® Size(mm)</th><th rowspan="2">Current(A)</th><th colspan="4">Pin-Pin Dimensions(mm)</th></tr><tr><th>A</th><th>B</th><th>C</th><th>D</th><th>P</th></tr><tr><td rowspan="5">Pin-Pin</td><td>3.6</td><td>70</td><td>21.0</td><td>14.0</td><td>41.3</td><td>11.9</td><td>M3</td></tr><tr><td>5.7</td><td>120</td><td>25.0</td><td>17.0</td><td>50.0</td><td>15.2</td><td rowspan="4">M4</td></tr><tr><td>8.0</td><td>200</td><td>30.0</td><td>21.0</td><td>60.8</td><td>19.6</td></tr><tr><td>10.0</td><td>300</td><td>33.0</td><td>24.0</td><td>74.5</td><td>23.0</td></tr><tr><td></td><td>12.0</td><td>400</td><td>36.0</td><td>26.0</td><td>78.0</td><td>25.5</td></tr><tr><td></td><td>14.0</td><td>500</td><td>37.0</td><td>27.0</td><td>96.0</td><td>28.0</td><td></td></tr></table>					Pin End	RADSOK® Size(mm)	Current(A)	Pin-Thread Dimensions(mm)								A	B	C	D	H	I	Thread	P	Pin-Thread	3.6	70	21.0	14.0	43.9	11.9	8	22.2	M4*0.7-6g	M3	5.7	120	25.0	17.0	49.6	15.2	10	24.2	M6*1.0-6g	M4	8.0	200	30.0	21.0	56.4	19.6	12	25.0	M8*1.25-6g	10.0	300	33.0	24.0	67.0	23.0	16	29.0	M10*1.5-6g	12.0	400	36.0	26.0	72.0	25.5	20	33.0	M12*1.75-6g		14.0	500	37.0	27.0	83.0	28.0	23	36.0	M12*1.75-6g		Pin End	RADSOK® Size(mm)	Current(A)	Pin-Lug Dimensions(mm)								A	B	C	D	H	L	W	X	K	P	Pin-Lug	3.6	70	21.0	14.0	46.7	11.9	13.5	5.0	4.2	1.9	11.3	M3	5.7	120	25.0	17.0	53.6	15.2	16.0	7.0	6.3	2.0	12.0	M4	8.0	200	30.0	21.0	62.5	19.6	22.5	10.0	8.5	2.7	8.0	10.0	300	33.0	24.0	70.0	23.0	22.5	12.5	10.5	3.55	9.5		12.0	400	36.0	26.0	77.5	25.5	27.5	14.0	13.0	3.0	10.5		14.0	500	37.0	27.0	90.0	28.0	29.0	15.5	14.5	2.3	13.0		Pin End	RADSOK® Size(mm)	Current(A)	Pin-Pin Dimensions(mm)				A	B	C	D	P	Pin-Pin	3.6	70	21.0	14.0	41.3	11.9	M3	5.7	120	25.0	17.0	50.0	15.2	M4	8.0	200	30.0	21.0	60.8	19.6	10.0	300	33.0	24.0	74.5	23.0		12.0	400	36.0	26.0	78.0	25.5		14.0	500	37.0	27.0	96.0	28.0	
Pin End	RADSOK® Size(mm)	Current(A)	Pin-Thread Dimensions(mm)																																																																																																																																																																																																																																		
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		12.0	400	36.0	26.0	77.5	25.5	27.5	14.0	13.0	3.0		10.5																																																																																																																																																																																																																								
	14.0	500	37.0	27.0	90.0	28.0	29.0	15.5	14.5	2.3	13.0																																																																																																																																																																																																																										
Pin End	RADSOK® Size(mm)	Current(A)	Pin-Pin Dimensions(mm)																																																																																																																																																																																																																																		
			A	B	C	D	P																																																																																																																																																																																																																														
Pin-Pin	3.6	70	21.0	14.0	41.3	11.9	M3																																																																																																																																																																																																																														
	5.7	120	25.0	17.0	50.0	15.2	M4																																																																																																																																																																																																																														
	8.0	200	30.0	21.0	60.8	19.6																																																																																																																																																																																																																															
	10.0	300	33.0	24.0	74.5	23.0																																																																																																																																																																																																																															
		12.0	400	36.0	26.0	78.0		25.5																																																																																																																																																																																																																													
	14.0	500	37.0	27.0	96.0	28.0																																																																																																																																																																																																																															

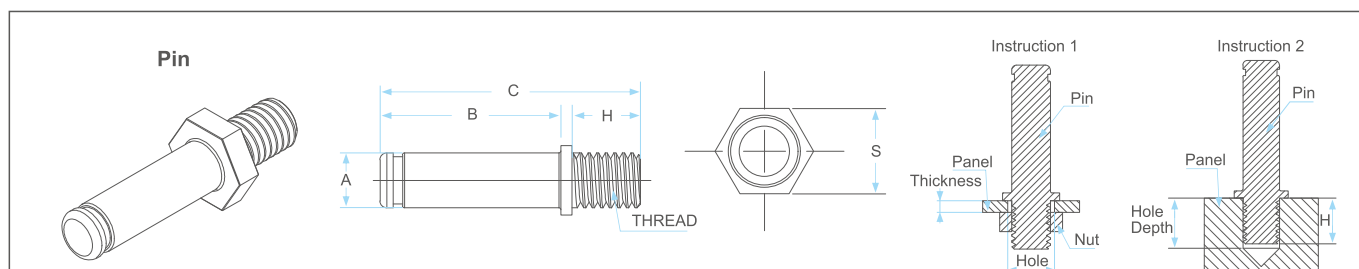
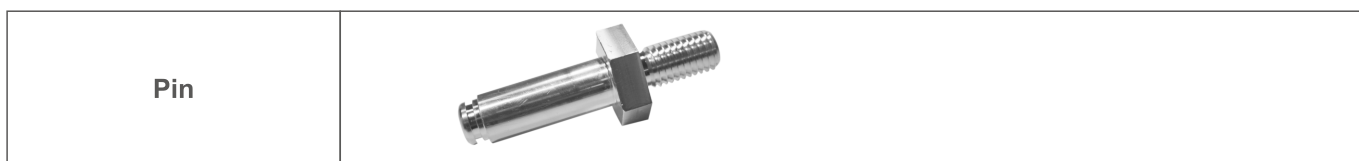
Ordering Information-RADLOK™ Receptacle

RL 9 080 - 20 2 - F1 RE								
Product Type	Termination Type		RADSOK® Size		Pin End	Plating Type	Receptacle Type	Connector Color
RADLOK™	9	RADLOK™ Receptacle	036	3.6mm	10: Thread 20: Lug 30: Pin	1: Silver 2: Tin 3: Nickel	F1: Feed Thru Pin	Blank: Black OR: Orange RE: Red
			057	5.7mm				
			080	8.0mm				
			100	10.0mm				
			120	12.0mm				
			140	14.0mm				
Pin-Thread		Pin-Lug		Pin-Pin		Product Description		
Description	Part Number	Description	Part Number	Description	Part Number			
RL9036-101-F1	AC-HA000375	RL9036-201-F1	AC-HA000385	RL9036-301-F1	AC-HA000395	3.6mm Pin, SILVER PLATING, BLACK		
RL9057-101-F1	AC-HA000377	RL9057-201-F1	AC-HA000387	RL9057-301-F1	AC-HA000397	5.7mm Pin, SILVER PLATING, BLACK		
RL9080-101-F1	AC-HA000378	RL9080-201-F1	AC-HA000388	RL9080-301-F1	AC-HA000398	8.0mm Pin, SILVER PLATING, BLACK		
RL9100-101-F1	AC-HA000380	RL9100-201-F1	AC-HA000390	RL9100-301-F1	AC-HA000400	10.0mm Pin, SILVER PLATING, BLACK		
RL9120-101-F1	AC-HA000381	RL9120-201-F1	AC-HA000391	RL9120-301-F1	AC-HA000401	12.0mm Pin, SILVER PLATING, BLACK		
RL9140-101-F1	AC-HA000382	RL9140-201-F1	AC-HA000392	RL9140-301-F1	AC-HA000402	14.0mm Pin, SILVER PLATING, BLACK		
RL9036-102-F1	AC-HA001014	RL9036-202-F1	AC-HA001024	RL9036-302-F1	AC-HA001034	3.6mm Pin, TIN PLATING, BLACK		
RL9057-102-F1	AC-HA001016	RL9057-202-F1	AC-HA001026	RL9057-302-F1	AC-HA001036	5.7mm Pin, TIN PLATING, BLACK		
RL9080-102-F1	AC-HA001017	RL9080-202-F1	AC-HA001027	RL9080-302-F1	AC-HA001037	8.0mm Pin, TIN PLATING, BLACK		
RL9100-102-F1	AC-HA001019	RL9100-202-F1	AC-HA001029	RL9100-302-F1	AC-HA001039	10.0mm Pin, TIN PLATING, BLACK		
RL9120-102-F1	AC-HA001020	RL9120-202-F1	AC-HA001030	RL9120-302-F1	AC-HA001040	12.0mm Pin, TIN PLATING, BLACK		
RL9140-102-F1	AC-HA001021	RL9140-202-F1	AC-HA001031	RL9140-302-F1	AC-HA001041	14.0mm Pin, TIN PLATING, BLACK		
RL9036-103-F1	AC-HA000324	RL9036-203-F1	AC-HA000334	RL9036-303-F1	AC-HA000354	3.6mm Pin, NICKEL PLATING, BLACK		
RL9057-103-F1	AC-HA000326	RL9057-203-F1	AC-HA000336	RL9057-303-F1	AC-HA000356	5.7mm Pin, NICKEL PLATING, BLACK		
RL9080-103-F1	AC-HA001766	RL9080-203-F1	AC-HA000337	RL9080-303-F1	AC-HA000357	8.0mm Pin, NICKEL PLATING, BLACK		
RL9100-103-F1	AC-HA000329	RL9100-203-F1	AC-HA000339	RL9100-303-F1	AC-HA000359	10.0mm Pin, NICKEL PLATING, BLACK		
RL9120-103-F1	AC-HA000330	RL9120-203-F1	AC-HA000340	RL9120-303-F1	AC-HA000360	12.0mm Pin, NICKEL PLATING, BLACK		
RL9140-103-F1	AC-HA000331	RL9140-203-F1	AC-HA000341	RL9140-303-F1	AC-HA000361	14.0mm Pin, NICKEL PLATING, BLACK		
RL9036-101-F1OR	AC-HA001613	RL9036-201-F1OR	AC-HA001623	RL9036-301-F1OR	AC-HA001633	3.6mm Pin, SILVER PLATING, ORANGE		
RL9057-101-F1OR	AC-HA001615	RL9057-201-F1OR	AC-HA001625	RL9057-301-F1OR	AC-HA001635	5.7mm Pin, SILVER PLATING, ORANGE		
RL9080-101-F1OR	AC-HA001616	RL9080-201-F1OR	AC-HA001626	RL9080-301-F1OR	AC-HA001636	8.0mm Pin, SILVER PLATING, ORANGE		
RL9100-101-F1OR	AC-HA001618	RL9100-201-F1OR	AC-HA001628	RL9100-301-F1OR	AC-HA001638	10.0mm Pin, SILVER PLATING, ORANGE		



Pin-Thread		Pin-Lug		Pin-Pin		Product Description
Description	Part Number	Description	Part Number	Description	Part Number	
RL9120-101-F1OR	AC-HA001619	RL9120-201-F1OR	AC-HA001629	RL9120-301-F1OR	AC-HA001639	12.0mm Pin, SILVER PLATING, ORANGE
RL9140-101-F1OR	AC-HA001620	RL9140-201-F1OR	AC-HA001630	RL9140-301-F1OR	AC-HA001640	14.0mm Pin, SILVER PLATING, ORANGE
RL9036-102-F1OR	AC-HA001643	RL9036-202-F1OR	AC-HA001653	RL9036-302-F1OR	AC-HA001663	3.6mm Pin, TIN PLATING, ORANGE
RL9057-102-F1OR	AC-HA001645	RL9057-202-F1OR	AC-HA001655	RL9057-302-F1OR	AC-HA001665	5.7mm Pin, TIN PLATING, ORANGE
RL9080-102-F1OR	AC-HA001646	RL9080-202-F1OR	AC-HA001656	RL9080-302-F1OR	AC-HA001666	8.0mm Pin, TIN PLATING, ORANGE
RL9100-102-F1OR	AC-HA001648	RL9100-202-F1OR	AC-HA001658	RL9100-302-F1OR	AC-HA001668	10.0mm Pin, TIN PLATING, ORANGE
RL9120-102-F1OR	AC-HA001649	RL9120-202-F1OR	AC-HA001659	RL9120-302-F1OR	AC-HA001669	12.0mm Pin, TIN PLATING, ORANGE
RL9140-102-F1OR	AC-HA001650	RL9140-202-F1OR	AC-HA001660	RL9140-302-F1OR	AC-HA001670	14.0mm Pin, TIN PLATING, ORANGE
RL9036-103-F1OR	AC-HA001673	RL9036-203-F1OR	AC-HA001683	RL9036-303-F1OR	AC-HA001693	3.6mm Pin, NICKEL PLATING, ORANGE
RL9057-103-F1OR	AC-HA001675	RL9057-203-F1OR	AC-HA001685	RL9057-303-F1OR	AC-HA001695	5.7mm Pin, NICKEL PLATING, ORANGE
RL9080-103-F1OR	AC-HA001676	RL9080-203-F1OR	AC-HA001686	RL9080-303-F1OR	AC-HA001696	8.0mm Pin, NICKEL PLATING, ORANGE
RL9100-103-F1OR	AC-HA001678	RL9100-203-F1OR	AC-HA001688	RL9100-303-F1OR	AC-HA001698	10.0mm Pin, NICKEL PLATING, ORANGE
RL9120-103-F1OR	AC-HA001679	RL9120-203-F1OR	AC-HA001689	RL9120-303-F1OR	AC-HA001699	12.0mm Pin, NICKEL PLATING, ORANGE
RL9140-103-F1OR	AC-HA001680	RL9140-203-F1OR	AC-HA001690	RL9140-303-F1OR	AC-HA001700	14.0mm Pin, NICKEL PLATING, ORANGE
RL9036-101-F1RE	AC-HA001703	RL9036-201-F1RE	AC-HA001713	RL9036-301-F1RE	AC-HA001723	3.6mm Pin, SILVER PLATING, RED
RL9057-101-F1RE	AC-HA001705	RL9057-201-F1RE	AC-HA001715	RL9057-301-F1RE	AC-HA001725	5.7mm Pin, SILVER PLATING, RED
RL9080-101-F1RE	AC-HA001706	RL9080-201-F1RE	AC-HA001716	RL9080-301-F1RE	AC-HA001726	8.0mm Pin, SILVER PLATING, RED
RL9100-101-F1RE	AC-HA001708	RL9100-201-F1RE	AC-HA001718	RL9100-301-F1RE	AC-HA001728	10.0mm Pin, SILVER PLATING, RED
RL9120-101-F1RE	AC-HA001709	RL9120-201-F1RE	AC-HA001719	RL9120-301-F1RE	AC-HA001729	12.0mm Pin, SILVER PLATING, RED
RL9140-101-F1RE	AC-HA001710	RL9140-201-F1RE	AC-HA001720	RL9140-301-F1RE	AC-HA001730	14.0mm Pin, SILVER PLATING, RED
RL9036-102-F1RE	AC-HA001733	RL9036-202-F1RE	AC-HA001743	RL9036-302-F1RE	AC-HA001753	3.6mm Pin, TIN PLATING, RED
RL9057-102-F1RE	AC-HA001735	RL9057-202-F1RE	AC-HA001745	RL9057-302-F1RE	AC-HA001755	5.7mm Pin, TIN PLATING, RED
RL9080-102-F1RE	AC-HA001736	RL9080-202-F1RE	AC-HA001746	RL9080-302-F1RE	AC-HA001756	8.0mm Pin, TIN PLATING, RED
RL9100-102-F1RE	AC-HA001738	RL9100-202-F1RE	AC-HA001748	RL9100-302-F1RE	AC-HA001758	10.0mm Pin, TIN PLATING, RED
RL9120-102-F1RE	AC-HA001739	RL9120-202-F1RE	AC-HA001749	RL9120-302-F1RE	AC-HA001759	12.0mm Pin, TIN PLATING, RED
RL9140-102-F1RE	AC-HA001740	RL9140-202-F1RE	AC-HA001750	RL9140-302-F1RE	AC-HA001760	14.0mm Pin, TIN PLATING, RED
RL9036-103-F1RE	AC-HA001763	RL9036-203-F1RE	AC-HA001773	RL9036-303-F1RE	AC-HA001783	3.6mm Pin, NICKEL PLATING, RED
RL9057-103-F1RE	AC-HA001765	RL9057-203-F1RE	AC-HA001775	RL9057-303-F1RE	AC-HA001785	5.7mm Pin, NICKEL PLATING, RED
RL9080-103-F1RE	AC-HA001766	RL9080-203-F1RE	AC-HA001776	RL9080-303-F1RE	AC-HA001786	8.0mm Pin, NICKEL PLATING, RED
RL9100-103-F1RE	AC-HA001768	RL9100-203-F1RE	AC-HA001778	RL9100-303-F1RE	AC-HA001788	10.0mm Pin, NICKEL PLATING, RED
RL9120-103-F1RE	AC-HA001769	RL9120-203-F1RE	AC-HA001779	RL9120-303-F1RE	AC-HA001789	12.0mm Pin, NICKEL PLATING, RED
RL9140-103-F1RE	AC-HA001770	RL9140-203-F1RE	AC-HA001780	RL9140-303-F1RE	AC-HA001790	14.0mm Pin, NICKEL PLATING, RED

RADLOK™ Pin



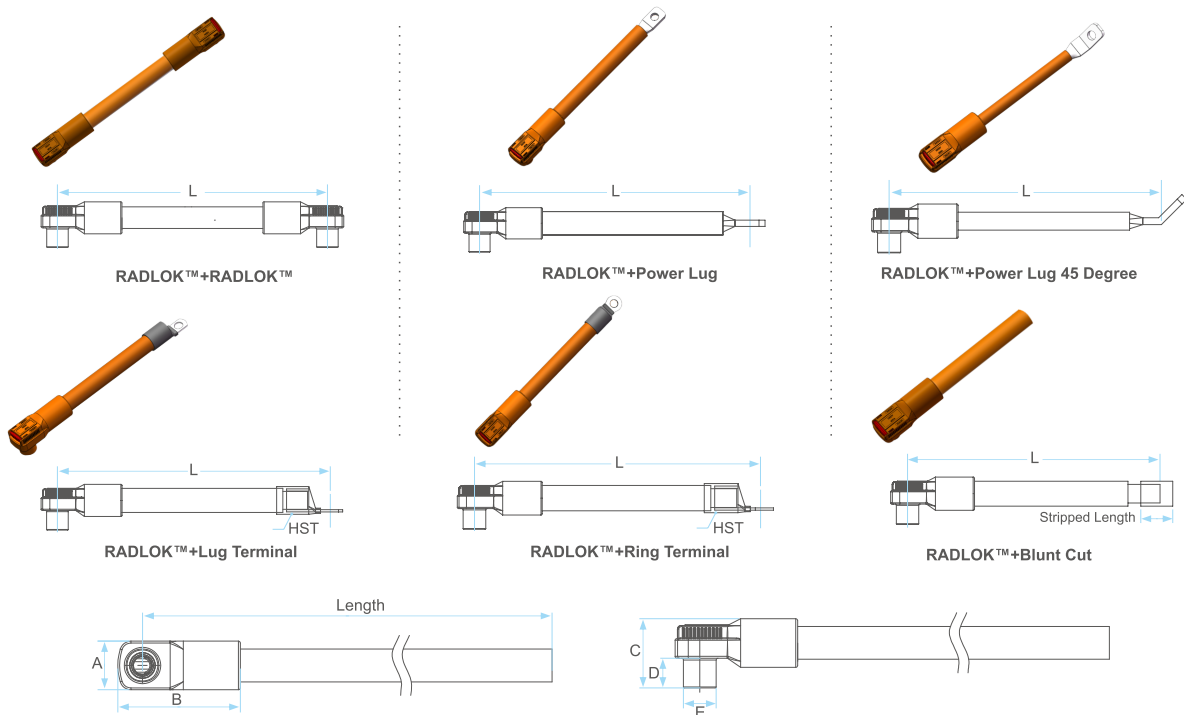
Pin End	RADSOK® Size(mm)	Current(A)	Pin Product Dimensions(mm)							
			A	B	C	H	S	Thickness	Thread	Torque Force
RADLOK™ Pin	3.6	70	3.6	17.5	28.0	8.0	7.0	1.0~2.5	M4*0.7-6g	2.5±0.2
	5.7	120	5.7	21.1	34.1	10.0	10.0	1.0~2.5	M6*1.0-6g	4.0±0.4
	8.0	200	8.0	26.4	42.4	12.0	13.0	1.0~3.5	M8*1.25-6g	7.5±0.5
	10.0	300	10.0	32.2	53.2	16.0	16.0	1.0~4.0	M10*1.5-6g	20.0±1.0
	12.0	400	12.0	32.6	58.6	20.0	18.0	1.0~4.5	M12*1.75-6g	24.0±1.0
	14.0	500	14.0	41.0	72.0	23.0	24.0	1.0~4.5	M12*1.75-6g	24.0±1.0

Ordering Information-RADLOK™ Pin

		RL	9	036	-	101		
								
Product Type	Termination Type			RADSOK® Size		Plating Type		
RADLOK™	9	RADLOK™ Pin	036	3.6mm	101: Silver 102: Tin 103: Nickel			
			057	5.7mm				
			080	8.0mm				
			100	10.0mm				
			120	12.0mm				
			140	14.0mm				

Description	Part Number	Product Description
RL9036-101	AC-CP000102	3.6mm Pin, BOLT M4 THREAD, SILVER PLATING
RL9057-101	AC-CP000104	5.7mm Pin, BOLT M6 THREAD, SILVER PLATING
RL9080-101	AC-CP000105	8.0mm Pin, BOLT M8 THREAD, SILVER PLATING
RL9100-101	AC-CP000107	10.0mm Pin, BOLT M10 THREAD, SILVER PLATING
RL9120-101	AC-CP000110	12.0mm Pin, BOLT M12 THREAD, SILVER PLATING
RL9140-101	AC-CP000111	14.0mm Pin, BOLT M12 THREAD, SILVER PLATING
RL9036-102	AC-CP000178	3.6mm Pin, BOLT M4 THREAD, TIN PLATING
RL9057-102	AC-CP000180	5.7mm Pin, BOLT M6 THREAD, TIN PLATING
RL9080-102	AC-CP000181	8.0mm Pin, BOLT M8 THREAD, TIN PLATING
RL9100-102	AC-CP000183	10.0mm Pin, BOLT M10 THREAD, TIN PLATING
RL9120-102	AC-CP000186	12.0mm Pin, BOLT M12 THREAD, TIN PLATING
RL9140-102	AC-CP000187	14.0mm Pin, BOLT M12 THREAD, TIN PLATING
RL9036-103	AC-CP000151	3.6mm Pin, BOLT M4 THREAD, NICKEL PLATING
RL9057-103	AC-CP000153	5.7mm Pin, BOLT M6 THREAD, NICKEL PLATING
RL9080-103	AC-CP000154	8.0mm Pin, BOLT M8 THREAD, NICKEL PLATING
RL9100-103	AC-CP000156	10.0mm Pin, BOLT M10 THREAD, NICKEL PLATING
RL9120-103	AC-CP000159	12.0mm Pin, BOLT M12 THREAD, NICKEL PLATING
RL9140-103	AC-CP000160	14.0mm Pin, BOLT M12 THREAD, NICKEL PLATING

RADLOK™ Cable Assembly



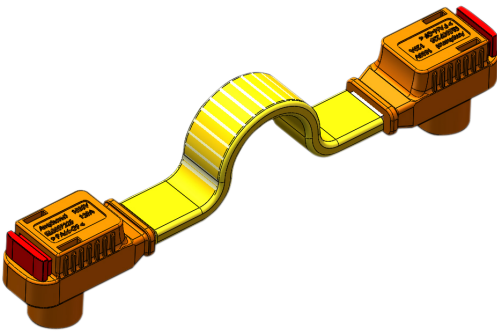
RADSOK® Size(mm)	Recommended Cbl Size(mm²)	Current(A)	Cable Assembly Dimensions(mm)					
			A	B	C	D	E	
3.6	10	70	15.5	36.0	18.3	7.3	Φ8.1	
5.7	16	90	18.5	47.0	21.9	9.4	Φ11.2	
	25	120						
8.0	35	150	21.6	55.3	27.0	11.8	Φ14.6	
	50	200						
10.0	35	150	26.0	53.0	33.8	15.9	Φ17.5	
	50	200						
	70	250		63.2	34.3			
	95	300						
12.0	120	400	28.5	76.0	37.3	15.0	Φ20.0	
14.0	95	300	31.0	77.0	44.3	22.3	Φ23.0	
	120	400			46.3			
	135	450						
	150	500						

Ordering Information-Cable Assembly

RL108050-L200-OR-M8									
Product Type	Termination Type		RADSOK® Size		Cable Size (mm²)	Current	Length	Connector Color	Stud Size
RADLOK™	1	RADLOK™+RADLOK™	036	3.6mm	10	70A	Upon customer request.	OR: Orange BK: Black RE: Red	*M/UNC+Stud Size *M/UNC+Stud Size Stripped-Length(mm) Eg:D6,D8,D10,D12, M6,M8,M10,M12
			057	5.7mm	16	90A			
	2	RADLOK™+Power Lug			25	120A			
			080	8.0mm	35	150A			
	3	RADLOK™+PowerLug 45 Degree			50	200A			
					35	150A			
	4	RADLOK™+Lug Terminal	100	10.0mm	50	200A			
					70	250A			
					95	300A			
	5	RADLOK™+Ring Terminal	120	12.0mm	120	400A			
					95	300A			
	6	RADLOK™+Blunt Cut	140	14.0mm	120	400A			
					135	450A			
	7	RADLOK™+Striped				150			

Please contact our regional sales for relevant product drawings.

PowerFlex™



Product Description

PowerFlex™ features a high flex, multi-layer laminated structure, specifically engineered for high-current power distribution applications. Integrated with Amphenol's RADLOK® connectors on both extremities, PowerFlex™ is the best solution for power connection in a limited space. PowerFlex™ can be customized to adapt different kinds of applications. Amphenol TPI is always open to propose the right solution for customers worldwide. In case of any inquiry, please contact our sales representatives in your region.

RADLOK™ Connector (Stamped Version)

Drawing	RADSOK® Size(mm)	RADLOK Size(mm ²)					
		W	H	h	D	P	Dimensions
	3.6	15.5	18.0	7.3	Φ8.10	27.0	Busbar material used is soft copper platoon, customized according to customer requirements
	5.7	18.5	21.9	9.2	Φ11.2	30.0	
	8.0	21.7	27.7	12.5	Φ14.5	34.3	
	10.0	25.7	33.3	16.1	Φ17.0	35.7	
	12.0	28.5	33.8	15.0	Φ20.0	44.5	
	14.0	31.0	42.5	22.3	Φ23.0	45.0	

⚠ The information contained in this data sheet is for reference only.

Amphenol Technical Products International provides the above product specifications for the standard RADLOK™ series of connectors to assist users in identifying the correct product for the system to which the connectors may be applied. 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. Specifications are typical and may not apply to all connectors. Note that these specifications are derived from relevant global standards used in the automotive and industrial transportation markets, but they are not a substitute for system level design validation testing, which is the sole responsibility of the system designer and/or end user.

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