



PowerLok™ Connector

Asia Pacific
ChangZhou, China
Tel +86 519-8981 9713
Add No.11 Fengxiang Road, New District,
Changzhou, Jiangsu, China
P.C. 213001

GuangZhou, China
Tel +86 20-3210-6099
Add 9th Floor, No.10, the 4th Street, Kehui
Jingu, Huangpu District, Guangzhou, China
P.C. 510663

North America
Winnipeg, Canada
Tel +1 204 697 2222
Add 2110 Notre Dame Avenue

Nogales, Mexico
Tel +52(55) 5258 9984
Add 482 Manposa Road Building A, 85621

Sales Manager (North America): Alexander Rothmeier
Tel (USA) +1 516-655-2787
Email arothmeier@tptl.com

Sales Manager: Sherlock Wan
Tel +86 15950450386
Email sherlock.wan@amphenol-gec.com

Product Manager: George Chen
Tel +86 13413169243
Email george.chen2@amphenol-gec.com

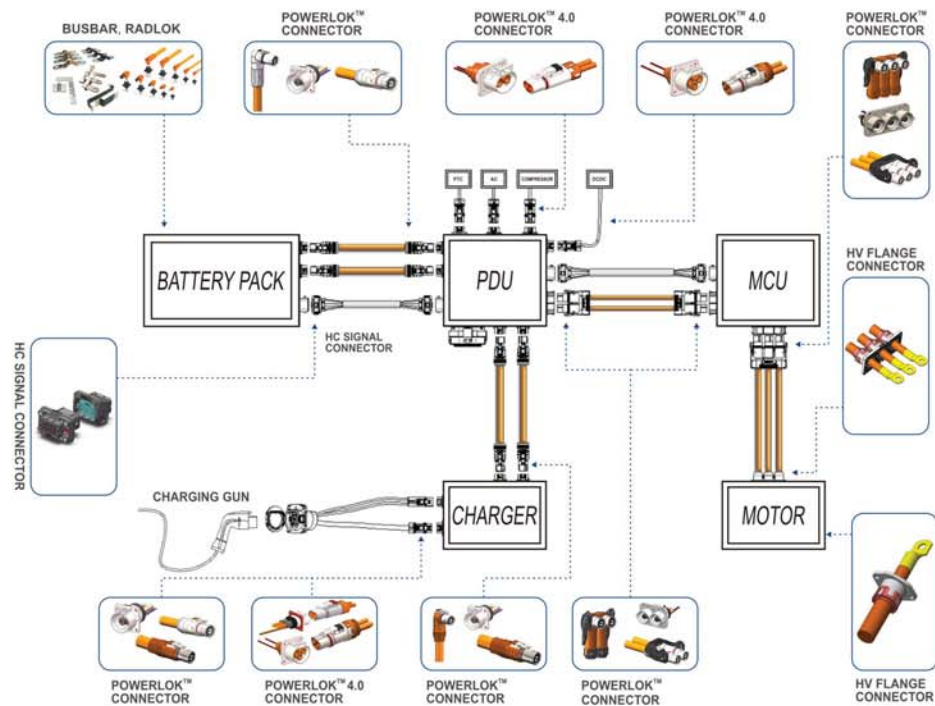
Email info@Amphenol-GEC.com

Q-Flex Oy
Avantintie 7
FI-21420 Lieto, Finland

+358 2 4894 500
info@q-flex.fi
q-flex.fi

Q-FLEX

SYSTEM CONNECTION SKETCH



PowerLok™ Connector

Application

POWERLOK™ series is a low cost, compact, metal-shell interconnect solution utilizing RADSOK® contact technology for EV and Hybrid transportation application. Up to 1000V ranging from 90A-500A with HVIL, 360° shielding, environmental sealing, keying, straight and right angle configurations, and up to 3 power circuits. Accommodates cable size from 16mm² to 150mm² with and without shielding. Available in assembled and overmolded versions.

POWERLOK™ series connectors are engineered for diverse applications as its wide power range coverage, including electric powertrains of automotive, trucks, bus, agricultural and construction machines, and off-road vehicles. Furthermore, POWERLOK™ series are also widely employed in stationary energy storage systems.

Key Features

- High Voltage Inter Lock
- 360° shielding
- 1POS, 2POS, 3POS Positions Available
- 90D(Right angle) and 180D(Straight angle)
- Multiple keys available
 - 1POS (X, Y, U, V, W, T keys)
 - 2POS & 3POS (X, Y keys)
- RADSOK® contact technology
- RoHS/REACH Compliant
- Mating Cycle: 100Min
- Mating Force: 75N MAX.
- Voltage Rating: 1000VDC
- DC Current Rating: 120A, 200A, 300A, 400A, 500A
- Insulation Resistance: 500MΩ
- IP rating: IP67(mated)
- IP2X(unmated)
- Salt Spray: 48h
- Temperature range: -40°C~+125°C

PowerLok™ Recommended Cable Size & Current Rating

Series	Accepted Cable Size	Current Rating
120 Series	16mm ²	90A
	25mm ²	120A
200 Series	25mm ²	120A
	35mm ²	150A
	50mm ²	200A
300 Series	35mm ²	150A
	50mm ²	200A
	70mm ²	250A
	95mm ²	300A
400 Series	70mm ²	250A
	95mm ²	300A
	120mm ²	400A
	135mm ²	450A
500 Series	95mm ²	300A
	120mm ²	400A
	135mm ²	450A
	150mm ²	500A

*Customization is allowed if above sizes are not what you need.

PowerLok™ Receptacle



180 Degree Busbar Lug

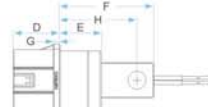
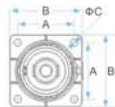
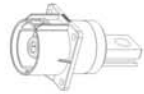
Thread Pin

Tubular Lug

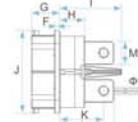
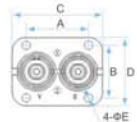
90 Degree Busbar Lug

Series	180 Degree Busbar Lug						Thread Pin						Tubular Lug						90 Degree Busbar Lug	
	1POS	2POS	3POS	1POS	2POS	3POS	1POS	2POS	3POS	1POS	2POS	3POS	1POS	2POS	3POS	1POS	2POS	3POS	1POS	2POS
120A	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL	With HVIL
200A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
300A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
400A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
500A	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

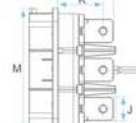
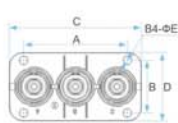
180 Degree Busbar Lug Receptacle



Product	180 Degree Busbar Lug 1POS Dimensions(mm)									
	Series	A	B	C	D	E	F	G	H	
PowerLok™ 1POS 180 Degree Busbar Lug Receptacle	120A	20.0	28.0	Φ3.6	18.0	13.0	31.5	3.0	24.5	
	200A	25.0	33.0	Φ4.2	20.7	19.3	39.5	3.0	32.3	
	300A	27.0	35.0	Φ4.2	20.7	21.3	49.3	3.0	39.3	
	400A	33.5	43.0	Φ4.3	27.2	25.0	55.2	3.5	45.2	
	500A	33.5	43.0	Φ4.3	27.2	25.0	56.0	3.5	46.0	



Product	180 Degree Busbar Lug 2POS Dimensions(mm)													
	Series	A	B	C	D	E	F	G	H	I	J	K	L	M
PowerLok™ 2POS 180 Degree Busbar Lug Receptacle	120A	35.0	25.5	48.0	34.0	Φ3.6	3.0	18.5	14.5	29.5	49.0	23.5	33.0	9.8
	300A	45.0	38.0	65.6	49.6	Φ6.2	4.0	22.0	20.0	49.0	65.4	35.0	43.0	18.2

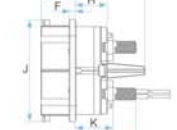
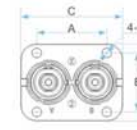


Product	180 Degree Busbar Lug 3POS Dimensions(mm)													
	Series	A	B	C	D	E	F	G	H	I	J	K	L	M
PowerLok™ 3POS 180 Degree Busbar Lug Receptacle	300A	75.0	38.0	95.6	49.6	Φ10.0	4.0	22.0	20.7+1.0	44.7+0.1	18.2	35.0+0.1	43.0+0.1	95.6

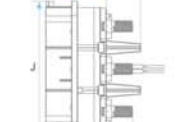
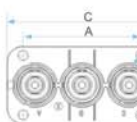
Thread Pin Receptacle



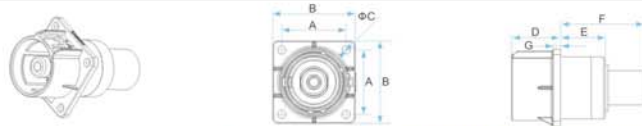
Product	Thread Pin 1POS Dimensions(mm)							
	Series	A	B	C	D	E	F	G
PowerLok™ 1POS Thread Pin Receptacle	120A	20.0	28.0	Φ3.6	18.0	13.0	32.0	3.0
	300A	27.0	35.0	Φ4.2	20.7	21.3	38.1	3.0
	500A	33.5	43.0	Φ4.3	27.2	25.0	40.5	3.5



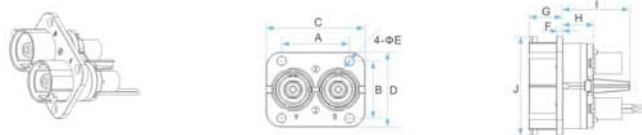
Product	Thread Pin 2POS Dimensions(mm)											
	Series	A	B	C	D	E	F	G	H	I	J	K
PowerLok™ 2POS Thread Pin Receptacle	300A	45.0	38.0	65.6	49.6	Φ6.2	4.0	22.0	20.7±0.1	44.7±0.1	65.4	24.2±0.1



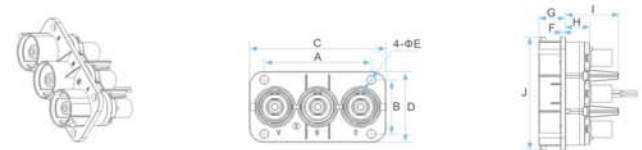
Product	Thread Pin 3POS Dimensions(mm)											
	Series	A	B	C	D	E	F	G	H	I	J	K
PowerLok™ 3POS Thread Pin Receptacle	300A	75.0	38.0	95.6	49.6	Φ6.2	4.0	22.0	20.7±0.1	44.7±0.1	95.1	24.2±0.1

Tubular Lug Receptacle


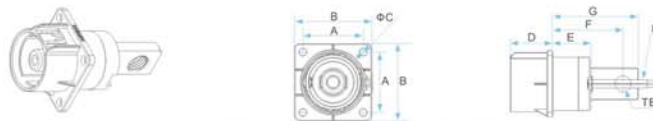
Product	Tubular Lug 1POS Dimensions(mm)							
	Series	A	B	C	D	E	F	G
PowerLok™ 1POS Tubular Lug Receptacle	120A	20.0	28.0	ø3.6	18.0	13.0	27.5	3.0
	300A	27.0	35.0	ø4.2	20.7	21.3	TBD	3.0
	500A	33.5	43.0	ø4.3	27.2	25.0	46.5	4.5



Product	Tubular Lug 2POS Dimensions(mm)										
	Series	A	B	C	D	E	F	G	H	I	J
PowerLok™ 2POS Tubular Lug Receptacle	300A	45.0	38.0	65.6	49.6	ø6.2	4.0	22.0	20.7	44.7	65.4



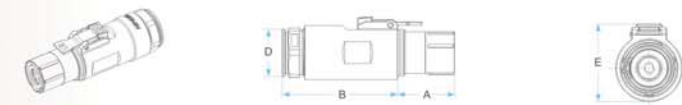
Product	Tubular Lug 3POS Dimensions(mm)										
	Series	A	B	C	D	E	F	G	H	I	J
PowerLok™ 3POS Tubular Lug Receptacle	300A	75.0	38.0	95.6	49.6	ø6.2	4.0	22.0	20.7	44.7	95.1

90 Degree Busbar Lug Receptacle


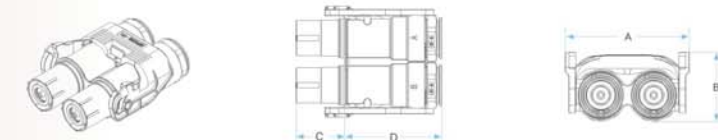
Product	90 Degree Busbar 1POS Dimensions(mm)							
	Series	A	B	C	D	E	F	H
PowerLok™ 1POS 90 Degree Busbar Receptacle	300A	27.0	35.0	ø4.2	20.7	24.1	49.3	39.3
	400A	33.5	43.0	ø4.3	27.2	25.0	55.2	45.2
	500A	33.5	43.0	ø4.3	20.7	25.0	56.0	46.0

PowerLok™ Plug

Series	1POS				2POS				3POS			
	Assembly		Overmolded		Assembly		Overmolded		Assembly		Overmolded	
	Straight	Right Angle	Straight	Right Angle	Straight	Right Angle	Straight	Right Angle	Straight	Right Angle	Straight	Right Angle
120A			*	*			*	*				
200A	*	*										
300A	*	*	*	*	*	*			*	*		
400A			*	*								
500A			*	*								

Straight Assembly Plug


Product	1POS Straight Assembly Plug Dimensions(mm)				
	Series	A	B	D	E(REF)
PowerLok™ 1POS Straight Assembly Plug	200A	29.8	54.3	ø25.9	30.9
	300A	31.0	63.1	ø29.5	34.4

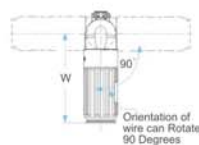
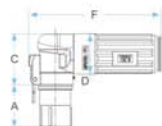


Product	2POS Straight Assembly Plug Dimensions(mm)			
	Series	A	B	D
PowerLok™ 2POS Straight Assembly Plug	300A	70.5	38.8	31.0



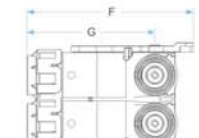
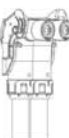
Product	3POS Straight Assembly Plug Dimensions(mm)				
	Series	A	B	D	E
PowerLok™ 3POS Straight Assembly Plug	300A	31.0	59.6	100.5	38.0

Right Angle Assembly Plug

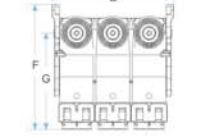
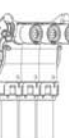


Orientation of wire can Rotate 90 Degrees

Product	1POS Right Angle Assembly Plug Dimensions(mm)					
	Series	A	C	D	F(REF)	W
PowerLok™ 1POS Right Angle Assembly Plug	200A	29.8	34.7	Φ25.9	30.9	68.8
	300A	31.0	37.6	Φ29.5	34.4	78.1



Product	2POS Right Angle Assembly Plug Dimensions(mm)					
	Series	A	D	E	F	G
PowerLok™ 2POS Right Angle Assembly Plug	300A	31.0	70.5	34.8	103.3	79.4

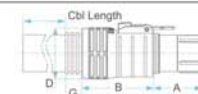


Product	3POS Right Angle Assembly Plug Dimensions(mm)					
	Series	A	C	D	F	G
PowerLok™ 3POS Right Angle Assembly Plug	300A	31.0	38.0	100.5	103.3	79.4

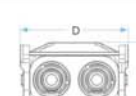
Note

Amphenol TPI can provide customized solutions based on customer's installation space. If you need to order or ask questions, please contact your sales representative for additional information!

Straight Overmolded Plug

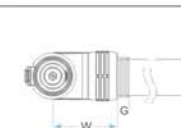
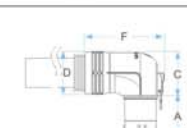


Product	1POS Straight Overmolded Plug Dimensions(mm)					
	Series	A	B	D	E	G
PowerLok™ 1POS Straight Overmolded Plug	120A	22.5	39.0	Φ24.6	28.5	9.9
	300A	31.0	45.0	Φ32.0	35.6	9.9
	400A	41.1	52.0	Φ42.0	43.6	9.9
	500A	41.1	52.0	Φ42.0	43.6	9.9

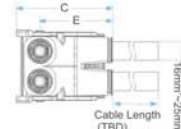
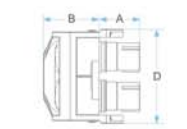
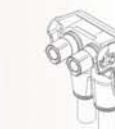


Product	2POS Straight Overmolded Plug Dimensions(mm)					
	Series	A	B	C	D	E
PowerLok™ 2POS Straight Overmolded Plug	120A	22.5	57.0	29.7	52.5	51.0

Right Angle Overmolded Plug

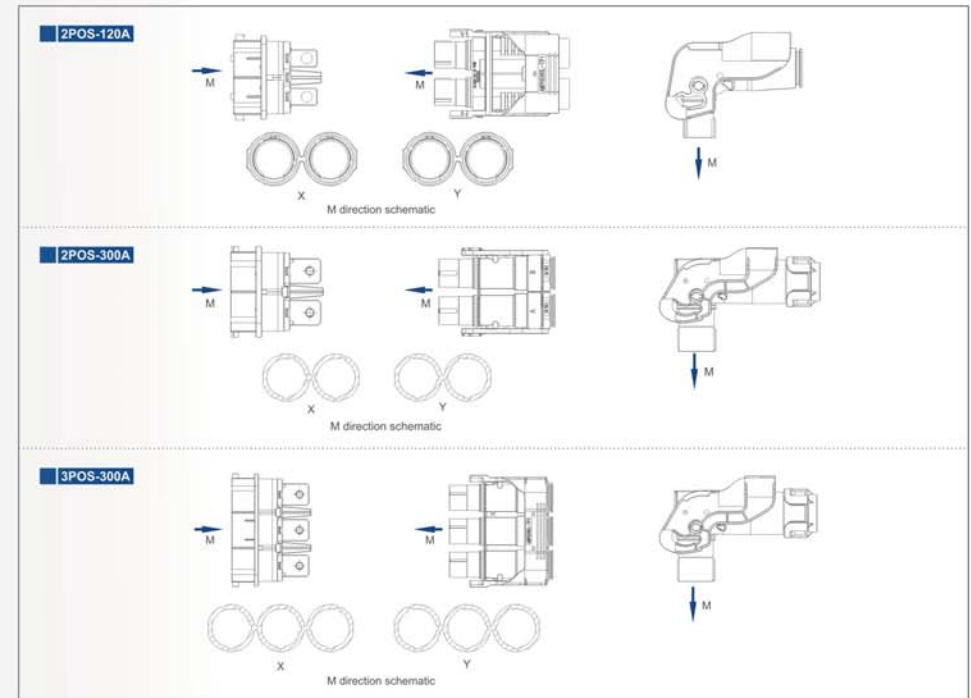
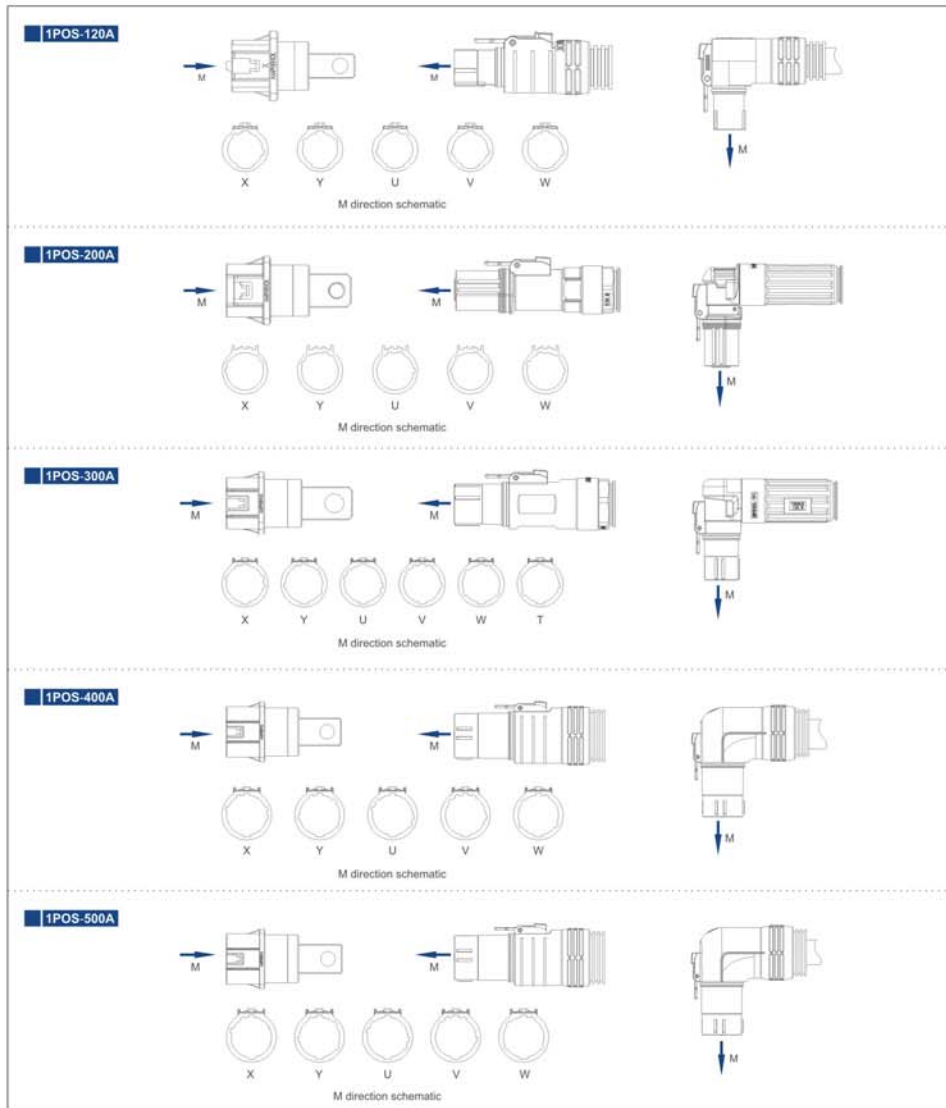


Product	1POS Right Angle Overmolded Plug Dimensions(mm)					
	Series	A	C	D	F(PEF)	W
PowerLok™ 1POS Right Angle Overmolded Plug	120A	22.5	25.3	Φ24.6	55.8	40.0
	300A	31.0	32.5	Φ32.0	69.6	50.0
	400A	41.1	43.0	Φ42.0	78.6	55.0
	500A	41.1	43.0	Φ42.0	78.6	55.0



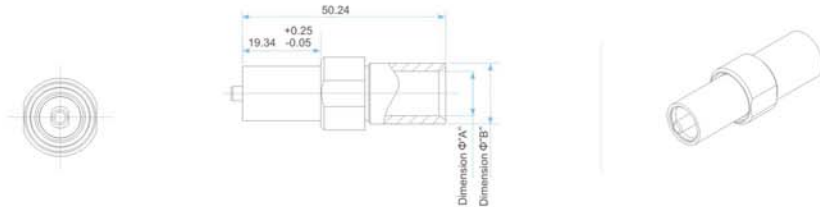
Product	2POS Right Angle Overmolded Plug Dimensions(mm)					
	Series	A	B	C	D	E
PowerLok™ 2POS Right Angle Overmolded Plug	120A	22.5	31.2	70.0	52.5	53.0

PowerLok™ Connector Key Map



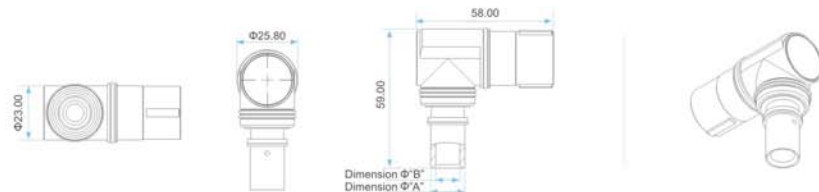
PowerLok™ Terminal

300A 1POS&2POS&3POS Straight



Part Number	Dimension "A"	Dimension "B"	Cable Size
AC-CP001017	7.50	10.00	25mm ²
AC-CP000872	8.80	11.80	35mm ²
AC-CP000689	9.00	12.00	35mm ²
AC-CP001018	10.30	14.50	50mm ²
AC-CP000876	11.00	15.00	50mm ²
AC-CP000871	12.50	16.50	70mm ²
AC-CP000878	12.50	16.80	70mm ²

300A 2POS&3POS Right Angle



Part Number	Dimension "A"	Dimension "B"	Cable Size
AC-CP000994	14.5	10.3	50mm ²
AC-CP000995	14.5	10.3	50mm ²
AC-CP000996	16.5	12.5	70mm ²

Ordering Information-PowerLok™ 1POS Receptacle W/O HVIL

Product Type	Connector Type	Key (Touch Proof Cover Color)	Current & HVIL	Termination Type	Termination Size
PowerLok™	00 1POS Receptacle	X Orange Y Black U Yellow V Green W Red T Blue	120 120A W/O HVIL 200 200A W/O HVIL 300 300A W/O HVIL 400 400A W/O HVIL 500 500A W/O HVIL	10 180 Degree Busbar Lug 20 Thread Pin 30 Tubular Lug 90 90 Degree Busbar Lug	D'+Stud Size M'+Stud Size M+Thread Size D+Cable Size D+Stud Size M+Stud Size

W/O HVIL												
Series Key	Busbar Lug(D+Stud Size)			Busbar Lug(M+Stud Size)			Thread Pin(M+Thread Size)			Tubular Lug(D+Cable Size)		
	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number
120A	X	PL00X-120-10D6	AC-HA000469	M6	PL00X-120-10M6	AC-HA000479	M6	PL00X-120-20M6	AC-HA000563	D25	PL00X-120-30D25	AC-HA001813
	Y	PL00Y-120-10D6	AC-HA000470		PL00Y-120-10M6	AC-HA000480		PL00Y-120-20M6	AC-HA000564		PL00Y-120-30D25	AC-HA001814
	U	PL00U-120-10D6	AC-HA000471		PL00U-120-10M6	AC-HA000481		PL00U-120-20M6	AC-HA000565		PL00U-120-30D25	AC-HA001815
	V	PL00V-120-10D6	AC-HA000472		PL00V-120-10M6	AC-HA000482		PL00V-120-20M6	AC-HA000566		PL00V-120-30D25	AC-HA001816
	W	PL00W-120-10D6	AC-HA000473		PL00W-120-10M6	AC-HA000483		PL00W-120-20M6	AC-HA000567		PL00W-120-30D25	AC-HA001817
200A	X	-	-	M6	PL00X-200-10M6	PL00X-200-10M6	-	-	-	-	-	-
	Y	-	-		PL00Y-200-10M6	PL00Y-200-10M6	-	-	-	-	-	-
	U	-	-		PL00U-200-10M6	PL00U-200-10M6	-	-	-	-	-	-
	V	-	-		PL00V-200-10M6	PL00V-200-10M6	-	-	-	-	-	-
	W	-	-		PL00W-200-10M6	PL00W-200-10M6	-	-	-	-	-	-
	X	-	-	M8	PL00X-200-10M8	PL00X-200-10M8	-	-	-	-	-	-
	Y	-	-		PL00Y-200-10M8	PL00Y-200-10M8	-	-	-	-	-	-
	U	-	-		PL00U-200-10M8	PL00U-200-10M8	-	-	-	-	-	-
	V	-	-		PL00V-200-10M8	PL00V-200-10M8	-	-	-	-	-	-
W	-	-	PL00W-200-10M8		PL00W-200-10M8	-	-	-	-	-	-	
300A	X	PL00X-300-10D6	AC-HA003928	M6	PL00X-300-10M6	AC-HA003922	M8	PL00X-300-20M8	AC-HA000596	D35	PL00X-300-30D35	AC-HA001454
	Y	PL00Y-300-10D6	AC-HA003929		PL00Y-300-10M6	AC-HA003923		PL00Y-300-20M8	AC-HA000597		PL00Y-300-30D35	AC-HA001455
	U	PL00U-300-10D6	AC-HA003930		PL00U-300-10M6	AC-HA003924		PL00U-300-20M8	AC-HA000598		PL00U-300-30D35	AC-HA001456
	V	PL00V-300-10D6	AC-HA003931		PL00V-300-10M6	AC-HA003925		PL00V-300-20M8	AC-HA000599		PL00V-300-30D35	AC-HA001457
	W	PL00W-300-10D6	AC-HA003932		PL00W-300-10M6	AC-HA003926		PL00W-300-20M8	AC-HA000600		PL00W-300-30D35	AC-HA001458
	T	PL00T-300-10D6	AC-HA003933	PL00T-300-10M6	AC-HA003927	PL00T-300-20M8	AC-HA0011390	PL00T-300-30D35	AC-HA001459			
	X	PL00X-300-10D8	AC-HA002139	M8	PL00X-300-10M8	AC-HA004047	M10	PL00X-300-20M10	AC-HA000573	D50	PL00X-300-30D50	AC-HA001460
	Y	PL00Y-300-10D8	AC-HA002140		PL00Y-300-10M8	AC-HA004048		PL00Y-300-20M10	AC-HA000574		PL00Y-300-30D50	AC-HA001461
	U	PL00U-300-10D8	AC-HA002141		PL00U-300-10M8	AC-HA004049		PL00U-300-20M10	AC-HA000575		PL00U-300-30D50	AC-HA001462
	V	PL00V-300-10D8	AC-HA002142		PL00V-300-10M8	AC-HA004050		PL00V-300-20M10	AC-HA000576		PL00V-300-30D50	AC-HA001463
	W	PL00W-300-10D8	AC-HA002143		PL00W-300-10M8	AC-HA004051		PL00W-300-20M10	AC-HA000577		PL00W-300-30D50	AC-HA001464
	T	PL00T-300-10D8	AC-HA002144	PL00T-300-10M8	AC-HA0011386	PL00T-300-20M10	AC-HA0011387	PL00T-300-30D50	AC-HA001465			
	X	PL00X-300-10D10	AC-HA000464	M10	PL00X-300-10M10	AC-HA000474	-	-	-	-	-	-
	Y	PL00Y-300-10D10	AC-HA000465		PL00Y-300-10M10	AC-HA000475	-	-	-	-	-	-
	U	PL00U-300-10D10	AC-HA000466		PL00U-300-10M10	AC-HA000476	-	-	-	-	-	-
	V	PL00V-300-10D10	AC-HA000467		PL00V-300-10M10	AC-HA000477	-	-	-	-	-	-
	W	PL00W-300-10D10	AC-HA000468		PL00W-300-10M10	AC-HA000478	-	-	-	-	-	-
	T	PL00T-300-10D10	AC-HA000385	PL00T-300-10M10	AC-HA0011386	-	-	-	-	-	-	-
X	-	-	-	-	-	-	-	-	-	-	-	-
Y	-	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	-	-	-	-	-	-	-	-	-
V	-	-	-	-	-	-	-	-	-	-	-	-
W	-	-	-	-	-	-	-	-	-	-	-	-
T	-	-	-	-	-	-	-	-	-	-	-	-
400A	X	PL00X-400-10D8	AC-HA002736	M8	PL00X-400-10M8	AC-HA002746	-	-	-	-	-	-
	Y	PL00Y-400-10D8	AC-HA002737		PL00Y-400-10M8	AC-HA002747	-	-	-	-	-	-
	U	PL00U-400-10D8	AC-HA002738		PL00U-400-10M8	AC-HA002748	-	-	-	-	-	-
	V	PL00V-400-10D8	AC-HA002739		PL00V-400-10M8	AC-HA002749	-	-	-	-	-	-
	W	PL00W-400-10D8	AC-HA002740		PL00W-400-10M8	AC-HA002750	-	-	-	-	-	-
	X	PL00X-400-10D10	AC-HA002727	M10	PL00X-400-10M10	AC-HA002716	-	-	-	-	-	-
	Y	PL00Y-400-10D10	AC-HA002728		PL00Y-400-10M10	AC-HA002717	-	-	-	-	-	-
	U	PL00U-400-10D10	AC-HA002729		PL00U-400-10M10	AC-HA002718	-	-	-	-	-	-
	V	PL00V-400-10D10	AC-HA002729		PL00V-400-10M10	AC-HA002719	-	-	-	-	-	-
W	PL00W-400-10D10	AC-HA002730	PL00W-400-10M10		AC-HA002720	-	-	-	-	-	-	
X	PL00X-500-10D10	AC-HA002182	M8	PL00X-500-10M8	AC-HA002511	M8	PL00X-500-20M8	AC-HA000578	D95	PL00X-500-30D95	AC-HA011391	
Y	PL00Y-500-10D10	AC-HA002183		PL00Y-500-10M8	AC-HA002512		PL00Y-500-20M8	AC-HA000579		PL00Y-500-30D95	AC-HA011392	
U	PL00U-500-10D8	AC-HA000556		PL00U-500-10M8	AC-HA002513		PL00U-500-20M8	AC-HA000580		PL00U-500-30D95	AC-HA011393	
V	PL00V-500-10D8	AC-HA000557		PL00V-500-10M8	AC-HA002514		PL00V-500-20M8	AC-HA000581		PL00V-500-30D95	AC-HA011394	
W	PL00W-500-10D8	AC-HA000558		PL00W-500-10M8	AC-HA002515		PL00W-500-20M8	AC-HA000582		PL00W-500-30D95	AC-HA011395	
X	PL00X-500-10D10	AC-HA000499	M10	PL00X-500-10M10	AC-HA000504	M10	PL00X-500-20M10	AC-HA000583	D120	PL00X-500-30D120	AC-HA011396	
Y	PL00Y-500-10D10	AC-HA000500		PL00Y-500-10M10	AC-HA000505		PL00Y-500-20M10	AC-HA000584		PL00Y-500-30D120	AC-HA011397	
U	PL00U-500-10D10	AC-HA000501		PL00U-500-10M10	AC-HA000506		PL00U-500-20M10	AC-HA000585		PL00U-500-30D120	AC-HA011398	
V	PL00V-500-10D10	AC-HA000502		PL00V-500-10M10	AC-HA000507		PL00V-500-20M10	AC-HA000586		PL00V-500-30D120	AC-HA011399	
W	PL00W-500-10D10	AC-HA000503		PL00W-500-10M10	AC-HA000508		PL00W-500-20M10	AC-HA000587		PL00W-500-30D120	AC-HA011400	
X	-	-	-	-	-	-	-	-	-	-	-	-
Y	-	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	-	-	-	-	-	-	-	-	-
V	-	-	-	-	-	-	-	-	-	-	-	-
W	-	-	-	-	-	-	-	-	-	-	-	-
X	-	-	-	-	-	-	-	-	-	-	-	-
Y	-	-	-	-	-	-	-	-	-	-	-	-
U	-	-	-	-	-	-	-	-	-	-	-	-
V	-	-	-	-	-	-	-	-	-	-	-	-
W	-	-	-	-	-	-	-	-	-	-	-	-

Ordering Information-PowerLok™ 1POS Receptacle W/O HVIL (90 Degree Busbar Lug)

Product Type	Connector Type	Key (Touch Proof Cover Color)	Current & HVIL	Termination Type	Termination Size
PowerLok™	00 1POS Receptacle	X Orange	300 300A W/O HVIL	90 90 Degree	D+Stud Size
		Y Black	400 400A W/O HVIL		M+Stud Size
		U Yellow	500 500A W/O HVIL		
		V Green			
		W Red			

Continued W/O HVIL

Series Key	90D Busbar Lug+(D+Stud Size)			90D Busbar Lug+(M+Stud Size)		
	Termination	Description	Part Number	Termination	Description	Part Number
300A	D6	PL00X-300-90D6	AC-HA004032	M6	PL00X-300-90M6	AC-HA004050
		PL00Y-300-90D6	AC-HA004033		PL00Y-300-90M6	AC-HA004051
		PL00U-300-90D6	AC-HA004034		PL00U-300-90M6	AC-HA004052
		PL00V-300-90D6	AC-HA004035		PL00V-300-90M6	AC-HA004053
		PL00W-300-90D6	AC-HA004036		PL00W-300-90M6	AC-HA004054
	D8	PL00T-300-90D6	AC-HA004037	M8	PL00T-300-90M6	AC-HA004055
		PL00X-300-90D8	AC-HA004026		PL00X-300-90M8	AC-HA004044
		PL00Y-300-90D8	AC-HA004027		PL00Y-300-90M8	AC-HA004045
		PL00U-300-90D8	AC-HA004028		PL00U-300-90M8	AC-HA004046
		PL00V-300-90D8	AC-HA004029		PL00V-300-90M8	AC-HA004047
400A	D8	PL00W-300-90D8	AC-HA004030	M8	PL00W-300-90M8	AC-HA004048
		PL00T-300-90D8	AC-HA004031		PL00T-300-90M8	AC-HA004049
	D10	PL00X-300-90D10	AC-HA004020	M10	PL00X-300-90M10	AC-HA004038
		PL00Y-300-90D10	AC-HA004021		PL00Y-300-90M10	AC-HA004039
		PL00U-300-90D10	AC-HA004022		PL00U-300-90M10	AC-HA004040
500A	D8	PL00V-300-90D10	AC-HA004023	M8	PL00V-300-90M8	AC-HA004041
		PL00W-300-90D10	AC-HA004024		PL00W-300-90M10	AC-HA004042
		PL00T-300-90D10	AC-HA004025		PL00T-300-90M10	AC-HA004043
	D10	PL00X-400-90D8	AC-HA002784	M10	PL00X-400-90M8	AC-HA002789
		PL00Y-400-90D8	AC-HA002785		PL00Y-400-90M8	AC-HA002790
500A	D8	PL00U-400-90D8	AC-HA002786	M8	PL00U-400-90M8	AC-HA002791
		PL00V-400-90D8	AC-HA002787		PL00V-400-90M8	AC-HA002792
		PL00W-400-90D8	AC-HA002788		PL00W-400-90M8	AC-HA002793
	D10	PL00X-400-90D10	AC-HA002774	M10	PL00X-400-90M10	AC-HA002779
		PL00Y-400-90D10	AC-HA002775		PL00Y-400-90M10	AC-HA002780
500A	D8	PL00U-400-90D10	AC-HA002776	M8	PL00U-400-90M10	AC-HA002781
		PL00V-400-90D10	AC-HA002777		PL00V-400-90M10	AC-HA002782
		PL00W-400-90D10	AC-HA002778		PL00W-400-90M10	AC-HA002783
	D10	PL00X-500-90D8	AC-HA007831	M10	PL00X-500-90M8	AC-HA007836
		PL00Y-500-90D8	AC-HA007832		PL00Y-500-90M8	AC-HA007837
500A	D8	PL00U-500-90D8	AC-HA007833	M8	PL00U-500-90M8	AC-HA007838
		PL00V-500-90D8	AC-HA007834		PL00V-500-90M8	AC-HA007839
		PL00W-500-90D8	AC-HA007835		PL00W-500-90M8	AC-HA007840
	D10	PL00X-500-90D10	AC-HA007841	M10	PL00X-500-90M10	AC-HA007846
		PL00Y-500-90D10	AC-HA007842		PL00Y-500-90M10	AC-HA007847
500A	D8	PL00U-500-90D10	AC-HA007843	M8	PL00U-500-90M10	AC-HA007848
		PL00V-500-90D10	AC-HA007844		PL00V-500-90M10	AC-HA007849
		PL00W-500-90D10	AC-HA007845		PL00W-500-90M10	AC-HA007850

Ordering Information-PowerLok™ 1POS Receptacle With HVIL

Product Type	Connector Type	Key (Touch Proof Cover Color)	Current & HVIL	Termination Type	Termination Size
PowerLok™	00 1POS Receptacle	X Orange	121 120A With HVIL	10 180 Degree Busbar Lug	D+Stud Size
		Y Black	201 200A With HVIL		M+Stud Size
		U Yellow	301 300A With HVIL		D+Stud Size
		V Green	401 400A With HVIL		M+Stud Size
		W Red	501 500A With HVIL		

With HVIL

Series Key	Busbar Lug(D+Stud Size)			Busbar Lug(M+Stud Size)			90D Busbar Lug+(D+Stud Size)			90D Busbar Lug+(M+Stud Size)		
	Termination	Description	Part Number	Termination	Description	Part Number	Termination	Description	Part Number	Termination	Description	Part Number
120A	D6	PL00X-301-10D6	AC-HA000305	M6	PL00X-121-10M6	AC-HA000459	D6	PL00X-301-90D6	EX-HA000645	M6	PL00X-301-90M6	EX-HA000659
		PL00Y-121-10D6	AC-HA000306		PL00Y-121-10M6	AC-HA000460		PL00Y-301-90D6	EX-HA000646		PL00Y-301-90M6	EX-HA000660
		PL00U-121-10D6	AC-HA000307		PL00U-121-10M6	AC-HA000461		PL00U-301-90D6	EX-HA000647		PL00U-301-90M6	EX-HA000661
		PL00V-121-10D6	AC-HA000308		PL00V-121-10M6	AC-HA000462		PL00V-301-90D6	EX-HA000648		PL00V-301-90M6	EX-HA000662
		PL00W-121-10D6	AC-HA000309		PL00W-121-10M6	AC-HA000463		PL00W-301-90D6	EX-HA000649		PL00W-301-90M6	EX-HA000663
200A	D8	PL00X-201-10D8	AC-HA000430	M8	PL00X-201-10M8	AC-HA000432	D8	PL00X-301-90D8	EX-HA000639	M8	PL00X-301-90M8	EX-HA000659
		PL00Y-201-10D8	AC-HA000431		PL00Y-201-10M8	AC-HA000432		PL00Y-301-90D8	EX-HA000640		PL00Y-301-90M8	EX-HA000660
		PL00U-201-10D8	AC-HA000432		PL00U-201-10M8	AC-HA000432		PL00U-301-90D8	EX-HA000641		PL00U-301-90M8	EX-HA000661
		PL00V-201-10D8	AC-HA000433		PL00V-201-10M8	AC-HA000433		PL00V-301-90D8	EX-HA000642		PL00V-301-90M8	EX-HA000662
		PL00W-201-10D8	AC-HA000434		PL00W-201-10M8	AC-HA000434		PL00W-301-90D8	EX-HA000643		PL00W-301-90M8	EX-HA000663
300A	D6	PL00X-301-10D6	AC-HA000394	M6	PL00X-301-10M6	AC-HA000394	D6	PL00X-301-90D6	EX-HA000645	M6	PL00X-301-90M6	EX-HA000659
		PL00Y-301-10D6	AC-HA000394		PL00Y-301-10M6	AC-HA000394		PL00Y-301-90D6	EX-HA000646		PL00Y-301-90M6	EX-HA000660
		PL00U-301-10D6	AC-HA000394		PL00U-301-10M6	AC-HA000394		PL00U-301-90D6	EX-HA000647		PL00U-301-90M6	EX-HA000661
		PL00V-301-10D6	AC-HA000394		PL00V-301-10M6	AC-HA000394		PL00V-301-90D6	EX-HA000648		PL00V-301-90M6	EX-HA000662
		PL00W-301-10D6	AC-HA000394		PL00W-301-10M6	AC-HA000394		PL00W-301-90D6	EX-HA000649		PL00W-301-90M6	EX-HA000663
400A	D8	PL00X-301-10D8	AC-HA001088	M8	PL00X-301-10M8	AC-HA001088	D8	PL00X-301-90D8	EX-HA000639	M8	PL00X-301-90M8	EX-HA000659
		PL00Y-301-10D8	AC-HA001089		PL00Y-301-10M8	AC-HA001089		PL00Y-301-90D8	EX-HA000640		PL00Y-301-90M8	EX-HA000660
		PL00U-301-10D8	AC-HA001090		PL00U-301-10M8	AC-HA001090		PL00U-301-90D8	EX-HA000641		PL00U-301-90M8	EX-HA000661
		PL00V-301-10D8	AC-HA001091		PL00V-301-10M8	AC-HA001091		PL00V-301-90D8	EX-HA000642		PL00V-301-90M8	EX-HA000662
		PL00W-301-10D8	AC-HA001092		PL00W-301-10M8	AC-HA001092		PL00W-301-90D8	EX-HA000643		PL00W-301-90M8	EX-HA000663
500A	D10	PL00X-301-10D10	AC-HA000454	M10	PL00X-301-10M10	AC-HA000454	D10	PL00X-301-90D10	EX-HA000634	M10	PL00X-301-90M10	EX-HA000659
		PL00Y-301-10D10	AC-HA000455		PL00Y-301-10M10	AC-HA000455		PL00Y-301-90D10	EX-HA000635		PL00Y-301-90M10	EX-HA000660
		PL00U-301-10D10	AC-HA000456		PL00U-301-10M10	AC-HA000456		PL00U-301-90D10	EX-HA000636		PL00U-301-90M10	EX-HA000661
		PL00V-301-10D10	AC-HA000457		PL00V-301-10M10	AC-HA000457		PL00V-301-90D10	EX-HA000637		PL00V-301-90M10	EX-HA000662
		PL00W-301-10D10	AC-HA000458		PL00W-301-10M10	AC-HA000458		PL00W-301-90D10	EX-HA000638		PL00W-301-90M10	EX-HA000663
500A	D8	PL00X-401-10D8	AC-HA002741	M8	PL00X-401-10M8	AC-HA002741	D8	PL00X-501-90D8	EX-HA000793	M8	PL00X-501-90M8	EX-HA000798
		PL00Y-401-10D8	AC-HA002742		PL00Y-401-10M8	AC-HA002742		PL00Y-501-90D8	EX-HA000794		PL00Y-501-90M8	EX-HA000799
		PL00U-401-10D8	AC-HA002743		PL00U-401-10M8	AC-HA002743		PL00U-501-90D8	EX-HA000795		PL00U-501-90M8	EX-HA000800
		PL00V-401-10D8	AC-HA002744		PL00V-401-10M8	AC-HA002744		PL00V-501-90D8	EX-HA000796		PL00V-501-90M8	EX-HA000801
		PL00W-401-10D8	AC-HA002745		PL00W-401-10M8	AC-HA002745		PL00W-501-90D8	EX-HA000797		PL00W-501-90M8	EX-HA000802
500A	D10	PL00X-401-10D10	AC-HA002731	M10	PL00X-401-10M10	AC-HA002731	D10	PL00X-501-90D10	EX-HA000748	M10	PL00X-501-90M10	EX-HA000807
		PL00Y-401-10D10	AC-HA002732		PL00Y-401-10M10	AC-HA002732		PL00Y-501-90D10	EX-HA000803		PL00Y-501-90M10	EX-HA000808
		PL00U-401-10D10	AC-HA002733		PL00U-401-10M10	AC-HA002733		PL00U-501-90D10	EX-HA000804		PL00U-501-90M10	EX-HA000809
		PL00V-401-10D10	AC-HA002734		PL00V-401-10M10	AC-HA002734		PL00V-501-90D10	EX-HA000805		PL00V-501-90M10	EX-HA000810
		PL00W-401-10D10	AC-HA002735		PL00W-401-10M10	AC-HA002735		PL00W-501-90D10	EX-HA000806		PL00W-501-90M10	EX-HA000811

Ordering Information-PowerLok™ 2POS Receptacle

Product Type		Connector Type		Key (Touch Proof Cover Color)		Current & HVIL		Termination Type		Termination Size	
PowerLok™	08 2POS Receptacle	2X	Orange	2X	Orange	120	120A W/O HVIL	10	Busbar Lug	D+Stud Size	M+Stud Size
						121	120A With HVIL			M+Stud Size	
						300	120A W/O HVIL			M+Thread Size	
						301	120A With HVIL			D+Cable Size	

W/O HVIL													
Series	Key	Busbar Lug+(D+Stud Size)			Busbar Lug+(M+Stud Size)			Thread Pin+(M+Thread Size)			Tubular Lug+(D+Cable Size)		
		Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number
120A	X	D6	PL082X-120-10D6	AC-HA000771	M6	PL082X-120-10M6	AC-HA000773	-	-	-	-	-	-
	Y	D6	PL082Y-120-10D6	AC-HA000772	M6	PL082Y-120-10M6	AC-HA000774	-	-	-	-	-	-
	X	D6	PL082X-300-10D6	AC-HA001210	M6	PL082X-300-10M6	AC-HA001212	M6	PL082X-300-20M6	AC-HA002527	35	PL082X-300-30D35	AC-HA001566
	Y	D6	PL082Y-300-10D6	AC-HA001211	M6	PL082Y-300-10M6	AC-HA001213	M6	PL082Y-300-20M6	AC-HA002528	50	PL082Y-300-30D50	AC-HA001567
300A	X	D8	PL082X-300-10D8	AC-HA000811	M8	PL082X-300-10M8	AC-HA000813	M8	PL082X-300-20M8	AC-HA000947	50	PL082X-300-30D50	AC-HA001568
	Y	D8	PL082Y-300-10D8	AC-HA000812	M8	PL082Y-300-10M8	AC-HA000814	M8	PL082Y-300-20M8	AC-HA000948	70	PL082Y-300-30D70	AC-HA001569
	X	D10	PL082X-300-10D10	AC-HA000807	M10	PL082X-300-10M10	AC-HA000809	M10	PL082X-300-20M10	AC-HA002529	70	PL082X-300-30D70	AC-HA001570
	Y	D10	PL082Y-300-10D10	AC-HA000808	M10	PL082Y-300-10M10	AC-HA000810	M10	PL082Y-300-20M10	AC-HA002530	70	PL082Y-300-30D70	AC-HA001571

With HVIL													
Series	Key	Busbar Lug+(D+Stud Size)			Busbar Lug+(M+Stud Size)			Thread Pin+(M+Thread Size)			Tubular Lug+(D+Cable Size)		
		Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number
120A	X	D6	PL082X-121-10D6	AC-HA000767	M6	PL082X-121-10M6	AC-HA000769	-	-	-	-	-	-
	Y	D6	PL082Y-121-10D6	AC-HA000768	M6	PL082Y-121-10M6	AC-HA000770	-	-	-	-	-	-
	X	D6	PL082X-301-10D6	AC-HA001206	M6	PL082X-301-10M6	AC-HA001208	M6	PL082X-301-20M6	AC-HA002523	35	PL082X-301-30D35	AC-HA001560
	Y	D6	PL082Y-301-10D6	AC-HA001207	M6	PL082Y-301-10M6	AC-HA001209	M6	PL082Y-301-20M6	AC-HA002524	50	PL082Y-301-30D50	AC-HA001561
300A	X	D8	PL082X-301-10D8	AC-HA000803	M8	PL082X-301-10M8	AC-HA000805	M8	PL082X-301-20M8	AC-HA001507	50	PL082X-301-30D50	AC-HA001562
	Y	D8	PL082Y-301-10D8	AC-HA000804	M8	PL082Y-301-10M8	AC-HA000806	M8	PL082Y-301-20M8	AC-HA001508	70	PL082Y-301-30D70	AC-HA001563
	X	D10	PL082X-301-10D10	AC-HA000799	M10	PL082X-301-10M10	AC-HA000801	M10	PL082X-301-20M10	AC-HA002525	70	PL082X-301-30D70	AC-HA001564
	Y	D10	PL082Y-301-10D10	AC-HA000800	M10	PL082Y-301-10M10	AC-HA000802	M10	PL082Y-301-20M10	AC-HA002526	70	PL082Y-301-30D70	AC-HA001565

Ordering Information-PowerLok™ 3POS Receptacle

Product Type		Connector Type		Key (Touch Proof Cover Color)		Current & HVIL		Termination Type		Termination Size	
PowerLok™	08 3POS Receptacle	3X	Orange	3X	Orange	300	300A W/O HVIL	10	Busbar Lug	D+Stud Size	M+Stud Size
						301	300A With HVIL			M+Thread Size	
						301	300A With HVIL			M+Thread Size	
						301	300A With HVIL			D+Cable Size	

W/O HVIL													
Series	Key	Busbar Lug+(D+Stud Size)			Busbar Lug+(M+Stud Size)			Thread Pin+(M+Thread Size)			Tubular Lug+(D+Cable Size)		
		Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number
300A	X	D6	PL083X-300-10D6	AC-HA001152	M6	PL083X-300-10M6	AC-HA001154	M6	PL083X-300-20M6	AC-HA002451	35	PL083X-300-30D35	AC-HA001578
	Y	D6	PL083Y-300-10D6	AC-HA001153	M6	PL083Y-300-10M6	AC-HA001155	M6	PL083Y-300-20M6	AC-HA002452		PL083Y-300-30D35	AC-HA001579
	X	D8	PL083X-300-10D8	AC-HA001148	M8	PL083X-300-10M8	AC-HA001150	M8	PL083X-300-20M8	AC-HA001513	50	PL083X-300-30D50	AC-HA001580
	Y	D8	PL083Y-300-10D8	AC-HA001149	M8	PL083Y-300-10M8	AC-HA001151	M8	PL083Y-300-20M8	AC-HA001514		PL083Y-300-30D50	AC-HA001581
300A	X	D10	PL083X-300-10D10	AC-HA001144	M10	PL083X-300-10M10	AC-HA001146	M10	PL083X-300-20M10	AC-HA002533	70	PL083X-300-30D70	AC-HA001582
	Y	D10	PL083Y-300-10D10	AC-HA001145	M10	PL083Y-300-10M10	AC-HA001147	M10	PL083Y-300-20M10	AC-HA002534		PL083Y-300-30D70	AC-HA001583

With HVIL													
Series	Key	Busbar Lug+(D+Stud Size)			Busbar Lug+(M+Stud Size)			Thread Pin+(M+Thread Size)			Tubular Lug+(D+Cable Size)		
		Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number	Termi-nation	Description	Part Number
300A	X	D6	PL083X-301-10D6	AC-HA001140	M6	PL083X-301-10M6	AC-HA001142	M6	PL083X-300-20M6	AC-HA002449	35	PL083X-300-30D35	AC-HA001572
	Y		PL083Y-301-10D6	AC-HA001141		PL083Y-301-10M6	AC-HA001143		PL083Y-300-20M6	AC-HA002450		PL083Y-300-30D35	AC-HA001573
	X	D8	PL083X-301-10D8	AC-HA001136	M8	PL083X-301-10M8	AC-HA001138	M8	PL083X-300-20M8	AC-HA001511	50	PL083X-300-30D50	AC-HA001574
	Y		PL083Y-301-10D8	AC-HA001137		PL083Y-301-10M8	AC-HA001139		PL083Y-300-20M8	AC-HA001512		PL083Y-300-30D50	AC-HA001575
	X	D10	PL083X-301-10D10	AC-HA001132	M10	PL083X-301-10M10	AC-HA001134	M10	PL083X-300-20M10	AC-HA002531	70	PL083X-300-30D70	AC-HA001576
	Y		PL083Y-301-10D10	AC-HA001133		PL083Y-301-10M10	AC-HA001135		PL083Y-300-20M10	AC-HA002532		PL083Y-300-30D70	AC-HA001577

(1) D=Through hole
(2) M=Screw hole

Ordering Information-PowerLok™ 1POS Assembled Plug W/O HVIL

Product Type		Connector Type		Key (Touch Proof Cover Color)		Current & HVIL		Accepted Cable Size(mm²)		Current Rating (A)	
PowerLok™	18 Plug Connector, Straight, Shield	X	Orange	X	Orange	200	200A W/O HVIL	25	120	120	120
						200	200A W/O HVIL	35	150	150	150
						200	200A W/O HVIL	50	200	200	200
						200	200A W/O HVIL	35	150	150	150
PowerLok™	28 Plug Connector, Right Angle, Shield	U	Yellow	U	Yellow	300	300A W/O HVIL	50	200	200	200
						300	300A W/O HVIL	35	150	150	150
						300	300A W/O HVIL	50	200	200	200
						300	300A W/O HVIL	35	150	150	150
PowerLok™	48 Plug Connector, Straight, Un-shield	W	Red	W	Red	300	300A W/O HVIL	50	200	200	200
						300	300A W/O HVIL	35	150	150	150
						300	300A W/O HVIL	50	200	200	200
						300	300A W/O HVIL	35	150	150	150
PowerLok™	58 Plug Connector, Right Angle, Un-shield	T	Blue	T	Blue	300	300A W/O HVIL	50	200	200	200
						300	300A W/O HVIL	35	150	150	150
						300	300A W/O HVIL	50	200	200	200
						300	300A W/O HVIL	35	150	150	150

W/O HVIL											
Series	Key	18: Plug Connector, Straight, Shield		28: Plug Connector, Right Angle, Shield		48: Plug Connector, Straight, Un-Shield		58: Plug Connector, Right Angle, Un-Shield			
		Description	Part Number	Description	Part Number	Description	Part Number	Description	Part Number		
200A	25	X	PL18X-200-25	PL18X-200-25	PL28X-200-25	PL28X-200-25	PL48X-200-25	PL48X-200-25	PL58X-200-25	PL58X-200-25	
		Y	PL18Y-200-25	PL18Y-200-25	PL28Y-200-25	PL28Y-200-25	PL48Y-200-25	PL48Y-200-25	PL58Y-200-25	PL58Y-200-25	
		U	PL18U-200-25	PL18U-200-25	PL28U-200-25	PL28U-200-25	PL48U-200-25	PL48U-200-25	PL58U-200-25	PL58U-200-25	
		V	PL18V-200-25	PL18V-200-25	PL28V-200-25	PL28V-200-25	PL48V-200-25	PL48V-200-25	PL58V-200-25	PL58V-200-25	
		W	PL18W-200-25	PL18W-200-25	PL28W-200-25	PL28W-200-25	PL48W-200-25	PL48W-200-25	PL58W-200-25	PL58W-200-25	
		X	PL18X-300-35	PL18X-300-35	PL28X-300-35	PL28X-300-35	PL48X-300-35	PL48X-300-35	PL58X-300-35	PL58X-300-35	
		Y	PL18Y-300-35	PL18Y-300-35	PL28Y-300-35	PL28Y-300-35	PL48Y-300-35	PL48Y-300-35	PL58Y-300-35	PL58Y-300-35	
		U	PL18U-300-35	PL18U-300-35	PL28U-300-35	PL28U-300-35	PL48U-300-35	PL48U-300-35	PL58U-300-35	PL58U-300-35	
	35	V	PL18V-300-35	PL18V-300-35	PL28V-300-35	PL28V-300-35	PL48V-300-35	PL48V-300-35	PL58V-300-35	PL58V-300-35	
		W	PL18W-300-35	PL18W-300-35	PL28W-300-35	PL28W-300-35	PL48W-300-35	PL48W-300-35	PL58W-300-35	PL58W-300-35	
		X	PL18X-200-50	PL18X-200-50	PL28X-200-50	PL28X-200-50	PL48X-200-50	PL48X-200-50	PL58X-200-50	PL58X-200-50	
		Y	PL18Y-200-50	PL18Y-200-50	PL28Y-200-50	PL28Y-200-50	PL48Y-200-50	PL48Y-200-50	PL58Y-200-50	PL58Y-200-50	
		U	PL18U-200-50	PL18U-200-50	PL28U-200-50	PL28U-200-50	PL48U-200-50	PL48U-200-50	PL58U-200-50	PL58U-200-50	
		V	PL18V-200-50	PL18V-200-50	PL28V-200-50	PL28V-200-50	PL48V-200-50	PL48V-200-50	PL58V-200-50	PL58V-200-50	
		W	PL18W-200-50	PL18W-200-50	PL28W-200-50	PL28W-200-50	PL48W-200-50	PL48W-200-50	PL58W-200-50	PL58W-200-50	
		X	PL18X-300-50	AC-HA004356	-	-	-	-	-	-	
	300A	25	Y	PL18Y-300-25	AC-HA004357	-	-	-	-	-	-
			U	PL18U-300-25	AC-HA004358	-	-	-	-	-	-
			V	PL18V-300-25	AC-HA004359	-	-	-	-	-	-
			W	PL18W-300-25	AC-HA004360	-	-	-	-	-	-
35		T	PL18T-300-25	AC-HA004361	-	-	-	-	-	-	
		X	PL18X-300-35	AC-HA000830	PL28X-300-35	AC-HA000860	PL48X-300-35	AC-HA002608	PL58X-300-35	AC-HA004455	
		Y	PL18Y-300-35	AC-HA000831	PL28Y-300-35	AC-HA000861	PL48Y-300-35	AC-HA002609	PL58Y-300-35	AC-HA004456	
		U	PL18U-300-35	AC-HA000832	PL28U-300-35	AC-HA000862	PL48U-300-35	AC-HA002610	PL58U-300-35	AC-HA004457	
50		V	PL18V-300-35	AC-HA000833	PL28V-300-35	AC-HA000863	PL48V-300-35	AC-HA002611	PL58V-300-35	AC-HA004458	
		W	PL18W-300-35	AC-HA000834	PL28W-300-35	AC-HA000864	PL48W-300-35	AC-HA002612	PL58W-300-35	AC-HA004459	
		T	PL18T-300-35	AC-HA001286	PL28T-300-35	AC-HA001292	PL48T-300-35	AC-HA008057	PL58T-300-35	AC-HA008513	
		X	PL18X-300-50	AC-HA000835	PL28X-300-50	AC-HA000865	PL48X-300-50	AC-HA002613	PL58X-300-50	AC-HA007465	
50	Y	PL18Y-300-50	AC-HA000836	PL28Y-300-50	AC-HA000866	PL48Y-300-50	AC-HA002614	PL58Y-300-50	AC-HA007466		
	U	PL18U-300-50	AC-HA000837	PL28U-300-50	AC-HA000867	PL48U-300-50	AC-HA002620	PL58U-300-50	AC-HA003747		
	V	PL18V-300-50	AC-HA000838	PL28V-300-50	AC-HA000868	PL48V-300-50	AC-HA002621	PL58V-300-50	AC-HA003748		
	W	PL18W-300-50	AC-HA000839	PL28W-300-50	AC-HA000869	PL48W-300-50	AC-HA002622	PL58W-300-50	AC-HA003749		
70	T	PL18T-300-50	AC-HA001287	PL28T-300-50	AC-HA003528	PL48T-300-50	AC-HA008058	PL58T-300-50	AC-HA008514		
	X	PL18X-300-70	AC-HA000840	PL28X-300-70	AC-HA000870	PL48X-300-70	AC-HA002628	PL58X-300-70	AC-HA004460		
	Y	PL18Y-300-70	AC-HA000841	PL28Y-300-70	AC-HA000871	PL48Y-300-70	AC-HA002629	PL58Y-300-70	AC-HA004461		
	U	PL18U-300-70	AC-HA000842	PL28U-300-70	AC-HA000872	PL48U-300-70	AC-HA002630	PL58U-300-70	AC-HA004462		
	V	PL18V-300-70	AC-HA000843	PL28V-300-70	AC-HA000873	PL48V-300-70	AC-HA002631	PL58V-300-70	AC-HA004463		
	W	PL18W-300-70	AC-HA000844	PL28W-300-70	AC-HA000874	PL48W-300-70	AC-HA002632	PL58W-300-70	AC-HA004464		
	T	PL18T-300-70	AC-HA001288	PL28T-300-70	AC-HA003529	PL48T-300-70	AC-HA008059	PL58T-300-70	AC-HA008515		

Ordering Information-PowerLok™ 1POS Assembled Plug With HVIL

Product Type	Connector Type	Key (Touch Proof Cover Color)		Current & HVIL	Accepted Cable Size(mm ²)	Current Rating (A)
		PL	18			
PowerLok™	18 Plug Connector, Straight, Shield	X	Orange	201 200A With HVIL	25	120
	28 Plug Connector, Right Angle, Shield	Y	Black		35	150
	48 Plug Connector, Straight, Un-shield	U	Yellow		50	200
	58 Plug Connector, Right Angle, Un-shield	V	Green	301 300A With HVIL	35	150
		W	Red		50	200
		T	Blue		70	250

With HVIL									
Series	Key	18: Plug Connector, Straight, Shield		28: Plug Connector, Right Angle, Shield		48: Plug Connector, Straight, Un-Shield		58: Plug Connector, Right Angle, Un-Shield	
		Description	Part Number	Description	Part Number	Description	Part Number	Description	Part Number
200A	25	X PL18X-201-25	AC-HA004290	PL28X-201-25	AC-HA004305	PL48X-201-25	PL48X-201-25	PL58X-201-25	PL58X-201-25
		Y PL18Y-201-25	AC-HA004291	PL28Y-201-25	AC-HA004306	PL48Y-201-25	PL48Y-201-25	PL58Y-201-25	PL58Y-201-25
		U PL18U-201-25	AC-HA004292	PL28U-201-25	AC-HA004307	PL48U-201-25	PL48U-201-25	PL58U-201-25	PL58U-201-25
		V PL18V-201-25	AC-HA004293	PL28V-201-25	AC-HA004308	PL48V-201-25	PL48V-201-25	PL58V-201-25	PL58V-201-25
	35	X PL18X-201-35	AC-HA004294	PL28X-201-35	AC-HA004309	PL48X-201-35	PL48X-201-35	PL58X-201-35	PL58X-201-35
		Y PL18Y-201-35	AC-HA004296	PL28Y-201-35	AC-HA004311	PL48Y-201-35	PL48Y-201-35	PL58Y-201-35	PL58Y-201-35
		U PL18U-201-35	AC-HA004297	PL28U-201-35	AC-HA004312	PL48U-201-35	PL48U-201-35	PL58U-201-35	PL58U-201-35
		V PL18V-201-35	AC-HA004298	PL28V-201-35	AC-HA004313	PL48V-201-35	PL48V-201-35	PL58V-201-35	PL58V-201-35
	50	X PL18X-201-50	AC-HA004300	PL28X-201-50	AC-HA004315	PL48X-201-50	PL48X-201-50	PL58X-201-50	PL58X-201-50
		Y PL18Y-201-50	AC-HA004301	PL28Y-201-50	AC-HA004316	PL48Y-201-50	PL48Y-201-50	PL58Y-201-50	PL58Y-201-50
		U PL18U-201-50	AC-HA004302	PL28U-201-50	AC-HA004317	PL48U-201-50	PL48U-201-50	PL58U-201-50	PL58U-201-50
		V PL18V-201-50	AC-HA004303	PL28V-201-50	AC-HA004318	PL48V-201-50	PL48V-201-50	PL58V-201-50	PL58V-201-50
300A	35	X PL18X-301-35	AC-HA004304	PL28X-201-50	AC-HA004319	PL48W-201-50	PL48W-201-50	PL58W-201-50	PL58W-201-50
		Y PL18Y-301-35	AC-HA000815	PL28Y-301-35	AC-HA000845	PL48X-301-35	AC-HA002603	PL58X-301-35	AC-HA004440
		U PL18U-301-35	AC-HA000816	PL28Y-301-35	AC-HA000846	PL48Y-301-35	AC-HA002604	PL58Y-301-35	AC-HA004441
		V PL18V-301-35	AC-HA000817	PL28U-301-35	AC-HA000847	PL48U-301-35	AC-HA002605	PL58U-301-35	AC-HA004442
	50	X PL18X-301-50	AC-HA000818	PL28V-301-35	AC-HA000848	PL48V-301-35	AC-HA002606	PL58V-301-35	AC-HA004443
		Y PL18Y-301-50	AC-HA000819	PL28W-301-35	AC-HA000849	PL48W-301-35	AC-HA002607	PL58W-301-35	AC-HA004444
		U PL18U-301-50	AC-HA001283	PL28T-301-35	AC-HA001289	PL48T-301-35	AC-HA008504	PL58T-301-35	AC-HA008510
		V PL18V-301-50	AC-HA000820	PL28X-301-50	AC-HA000850	PL48X-301-50	AC-HA002613	PL58X-301-50	AC-HA004445
	70	X PL18X-301-70	AC-HA000821	PL28Y-301-50	AC-HA000851	PL48Y-301-50	AC-HA002614	PL58Y-301-50	AC-HA004446
		Y PL18Y-301-70	AC-HA000822	PL28U-301-50	AC-HA000852	PL48U-301-50	AC-HA002615	PL58U-301-50	AC-HA004447
		U PL18U-301-70	AC-HA000823	PL28V-301-50	AC-HA000853	PL48V-301-50	AC-HA002616	PL58V-301-50	AC-HA004448
		V PL18V-301-70	AC-HA000824	PL28W-301-50	AC-HA000854	PL48W-301-50	AC-HA002617	PL58W-301-50	AC-HA004449
300A	50	X PL18X-301-50	AC-HA001284	PL28T-301-50	AC-HA001290	PL48T-301-50	AC-HA008505	PL58T-301-50	AC-HA008511
		Y PL18Y-301-70	AC-HA000825	PL28X-301-70	AC-HA000855	PL48X-301-70	AC-HA002623	PL58X-301-70	AC-HA004450
		U PL18U-301-70	AC-HA000826	PL28Y-301-70	AC-HA000856	PL48Y-301-70	AC-HA002624	PL58Y-301-70	AC-HA004451
		V PL18V-301-70	AC-HA000827	PL28U-301-70	AC-HA000857	PL48U-301-70	AC-HA002625	PL58U-301-70	AC-HA004452
	70	X PL18X-301-70	AC-HA000828	PL28V-301-70	AC-HA000858	PL48V-301-70	AC-HA002626	PL58V-301-70	AC-HA004453
		Y PL18Y-301-70	AC-HA000829	PL28W-301-70	AC-HA000859	PL48W-301-70	AC-HA002627	PL58W-301-70	AC-HA004454
		U PL18U-301-70	AC-HA001285	PL28T-301-70	AC-HA001291	PL48T-301-70	AC-HA008506	PL58T-301-70	AC-HA008512
		V PL18V-301-70	AC-HA000829	PL28W-301-70	AC-HA000859	PL48W-301-70	AC-HA002627	PL58W-301-70	AC-HA004454

Ordering Information-PowerLok™ 2POS Assembled Plug

Product Type	Connector Type	Key (Touch Proof Cover Color)		Current & HVIL	Accepted Cable Size(mm ²)	Current Rating (A)
		PL	48			
PowerLok™	18 Plug Connector, Straight, Shield	2X	Orange	300 300A W/O HVIL	35	150
	28 Plug Connector, Right Angle, Shield				50	200
	48 Plug Connector, Straight, Un-Shield				70	250
	58 Plug Connector, Right Angle, Un-Shield	2Y	Black	301 300A With HVIL	35	150
					50	200
					70	250

Series	Key	18: Plug Connector, Straight, Shield		28: Plug Connector, Right Angle, Shield		48: Plug Connector, Straight, Un-Shield		58: Plug Connector, Right Angle, Un-Shield	
		Description	Part Number	Description	Part Number	Description	Part Number	Description	Part Number
300A	35	W/O HVIL							
		2X PL182X-300-35	AC-HA000787	PL282X-300-35	AC-HA000793	PL482X-300-35	AC-HA002635	PL582X-300-35	AC-HA004490
		2Y PL182Y-300-35	AC-HA000788	PL282Y-300-35	AC-HA000794	PL482Y-300-35	AC-HA002636	PL582Y-300-35	AC-HA004491
		50 2X PL182X-300-50	AC-HA000789	PL282X-300-50	AC-HA000795	PL482X-300-50	AC-HA002639	PL582X-300-50	AC-HA004492
	50	2Y PL182Y-300-50	AC-HA000790	PL282Y-300-50	AC-HA000796	PL482Y-300-50	AC-HA002640	PL582Y-300-50	AC-HA004493
		70 2X PL182X-300-70	AC-HA000791	PL282X-300-70	AC-HA000797	PL482X-300-70	AC-HA002643	PL582X-300-70	AC-HA004494
		2Y PL182Y-300-70	AC-HA000792	PL282Y-300-70	AC-HA000798	PL482Y-300-70	AC-HA002644	PL582Y-300-70	AC-HA004495
		With HVIL							
	35	2X PL182X-301-35	AC-HA000775	PL282X-301-35	AC-HA000781	PL482X-301-35	AC-HA002646	PL582X-301-35	AC-HA002448
		2Y PL182Y-301-35	AC-HA000776	PL282Y-301-35	AC-HA000782	PL482Y-301-35	AC-HA002634	PL582Y-301-35	AC-HA004485
		50 2X PL182X-301-50	AC-HA000777	PL282X-301-50	AC-HA000783	PL482X-301-50	AC-HA002637	PL582X-301-50	AC-HA004486
		2Y PL182Y-301-50	AC-HA000778	PL282Y-301-50	AC-HA000784	PL482Y-301-50	AC-HA002638	PL582Y-301-50	AC-HA004487
	70	2X PL182X-301-70	AC-HA000779	PL282X-301-70	AC-HA000785	PL482X-301-70	AC-HA002641	PL582X-301-70	AC-HA004488
		2Y PL182Y-301-70	AC-HA000780	PL282Y-301-70	AC-HA000786	PL482Y-301-70	AC-HA002642	PL582Y-301-70	AC-HA004489

Ordering Information-PowerLok™ 3POS Assembled Plug

Product Type	Connector Type	Key (Touch Proof Cover Color)		Current & HVIL	Accepted Cable Size(mm ²)	Current Rating (A)
		PL	28			
PowerLok™	18 Plug Connector, Straight, Shield	3X	Orange	300 300A W/O HVIL	35	150
	28 Plug Connector, Right Angle, Shield				50	200
	48 Plug Connector, Straight, Un-Shield				70	250
	58 Plug Connector, Right Angle, Un-Shield	3Y	Black	300 300A With HVIL	35	150
					50	200
					70	250

Series	Key	18: Plug Connector, Straight, Shield		28: Plug Connector, Right Angle, Shield		48: Plug Connector, Straight, Un-Shield		58: Plug Connector, Right Angle, Un-Shield	
		Description	Part Number	Description	Part Number	Description	Part Number	Description	Part Number
300A	35	W/O HVIL							
		3X PL183X-300-35	AC-HA001114	PL283X-300-35	AC-HA001126	PL483X-300-35	-	PL583X-300-35	-
		3Y PL183Y-300-35	AC-HA001115	PL283Y-300-35	AC-HA001127	PL483Y-300-35	-	PL583Y-300-35	-
		50 3X PL183X-300-50	AC-HA001116	PL283X-300-50	AC-HA001128	PL483X-300-50	-	PL583X-300-50	-
	50	3Y PL183Y-300-50	AC-HA001117	PL283Y-300-50	AC-HA001129	PL483Y-300-50	-	PL583Y-300-50	-
		70 3X PL183X-300-70	AC-HA001118	PL283X-300-70	AC-HA001130	PL483X-300-70	-	PL583X-300-70	-
		3Y PL183Y-300-70	AC-HA001119	PL283Y-300-70	AC-HA001131	PL483Y-300-70	-	PL583Y-300-70	-
		With HVIL							
	35	3X PL183X-301-35	AC-HA001108	PL283X-301-35	AC-HA001120	PL483X-301-35	-	PL583X-301-35	-
		3Y PL183Y-301-35	AC-HA001109	PL283Y-301-35	AC-HA001121	PL483Y-301-35	-	PL583Y-301-35	-
		50 3X PL183X-301-50	AC-HA001110	PL283X-301-50	AC-HA001122	PL483X-301-50	-	PL583X-301-50	-
		3Y PL183Y-301-50	AC-HA001111	PL283Y-301-50	AC-HA001123	PL483Y-301-50	-	PL583Y-301-50	-
	70	3X PL183X-301-70	AC-HA001112	PL283X-301-70	AC-HA001124	PL483X-301-70	-	PL583X-301-70	-
		3Y PL183Y-301-70	AC-HA001113	PL283Y-301-70	AC-HA001125	PL483Y-301-70	-	PL583Y-301-70	-

Ordering Information-PowerLok™ 1POS Overmolded Plug

		PL 10 X		300 - 50			
Product Type	Connector Type	Key (Touch Proof Cover Color)		Current & HVIL		Accepted Cable Size(mm²)	Current Rating (A)
PowerLok™	10 1POS Plug Straight	X	Orange	120	120A W/O HVIL	16	90
				121	120A With HVIL	25	120
		Y	Black	300	300A W/O HVIL	35	150
						50	200
		U	Yellow	301	300A With HVIL	70	250
	20 1POS Plug Right Angle					95	300
		V	Green	400	400A W/O HVIL	70	250
						95	300
		401	400A With HVIL			120	400
						135	450
		W	Red	500	500A W/O HVIL	95	300
						120	400
		T	Blue	501	500A With HVIL	135	450
						150	500

Ordering Information-PowerLok™ 2POS Overmolded Plug

		PL 10 2X		120 - 25			
Product Type	Connector Type	Key (Touch Proof Cover Color)		Current & HVIL		Accepted Cable Size(mm²)	Current Rating (A)
PowerLok™	10 2POS Plug Straight	2X	Orange	120	120A W/O HVIL	16	90
	20 2POS Plug Right Angle	2Y	Black	121	120A With HVIL	25	120

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

Amphenol Technical Products International provides the above product specifications for the standard. 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 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.