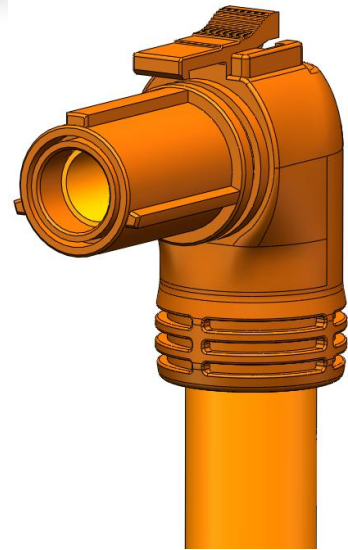
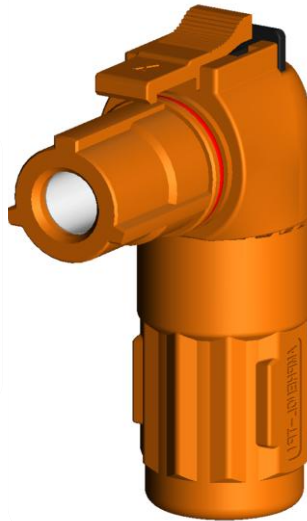
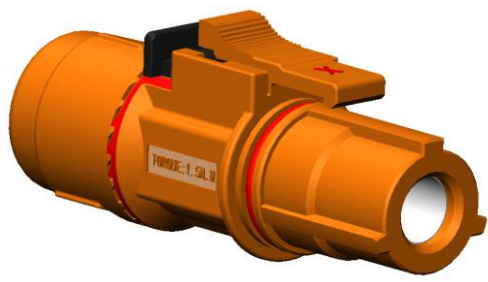


## PowerLok-E



Current Rating	120A - 300A
Voltage Rating	1000V
Temperature Range	-40°C to +125°C (Including Temperature Rise)
Flammability	UL94 V-0
Mating Cycle	500 Min
Protection	IP67
Mutil Polarization	5 Keys

### PowerLok-E Recommended Cable Size and Current Rating

Current Rating of Connector (A)	Accepted Cable Size (mm <sup>2</sup> )	Current Rating of Cable (A)
120 Series	16	90
	25	120
200 Series	25	120
	35	150
	50	200
300 Series	35	150
	50	200
	70	250
	95	300

## PowerLok-E Plastic 1POS Receptacle

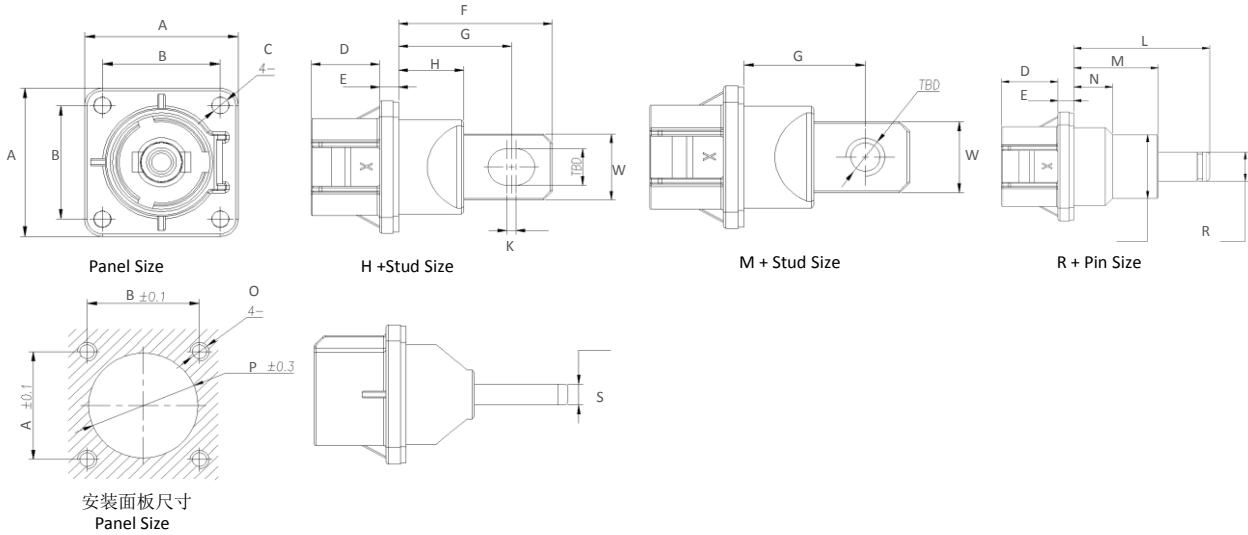


Pin - Busbar



Pin - Pin

## PowerLok-E 1POS Receptacle Parameter



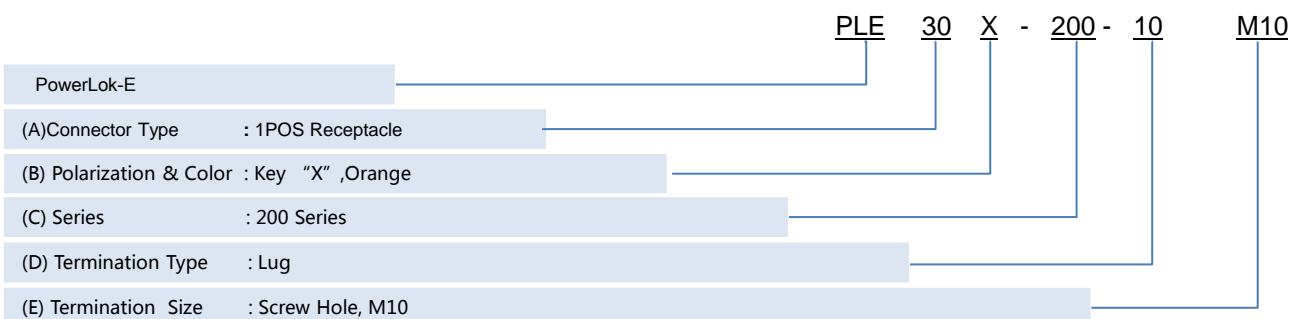
## PowerLok-E Plastic 1POS Receptacle Parameter

Product Type	Series	PowerLok-E Size (mm)																	
		A	B	C	D	E	F	G	H	K	W	L	M	N	O	P	R	S	
PL	PowerLok-E	200	30	23	∅3.4	15	4.2	33.8	24.8	14.3	2	15	36.2	22.5	10.3	M3	∅22.4	∅8	4.5
		300	32	24	∅3.5	18.7	3.5	40.8	30.8	18.3	2	18.2	--	--	--	M3	∅26.2	--	5.5

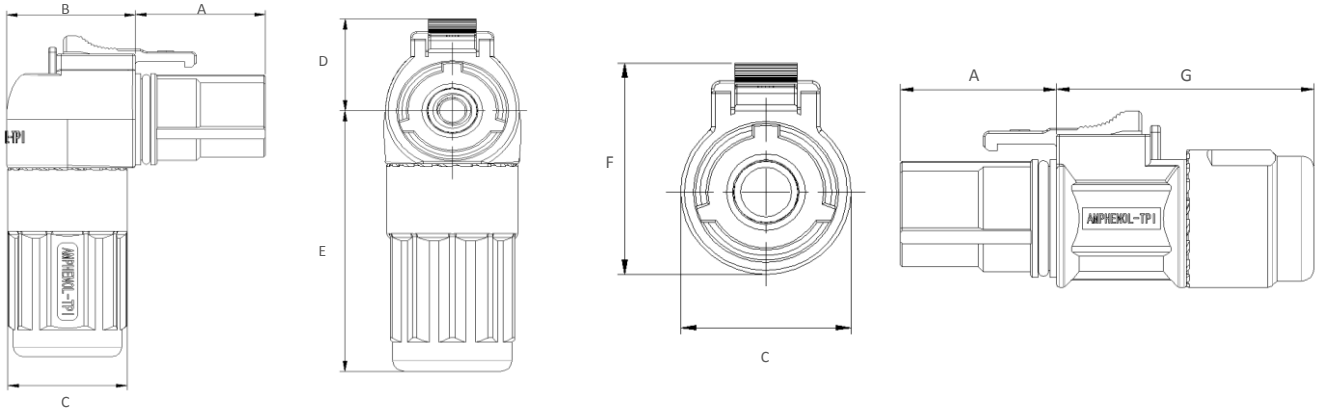
## PowerLok-E Plastic 1POS Receptacle Ordering Information

Product Type	(A) Connector Type	(B) Polarization	(C) Series	(D) Termination Type	(E) Termination Size					
PL	PowerLok-E	30	1 POS Receptacle	X	Key "X" Orange	200	10	Lug	M + Stud Size	Screw Hole
				Y	Key "Y" Black	300	40	Pin	H + Stud Size	Slotted Hole
				U	Key "U" Yellow				R + Pin Size	Pin Size
				V	Key "V" Green					
				W	Key "W" Red					

## Ordering example



## PowerLok-E Plastic 1POS Assembly Plug



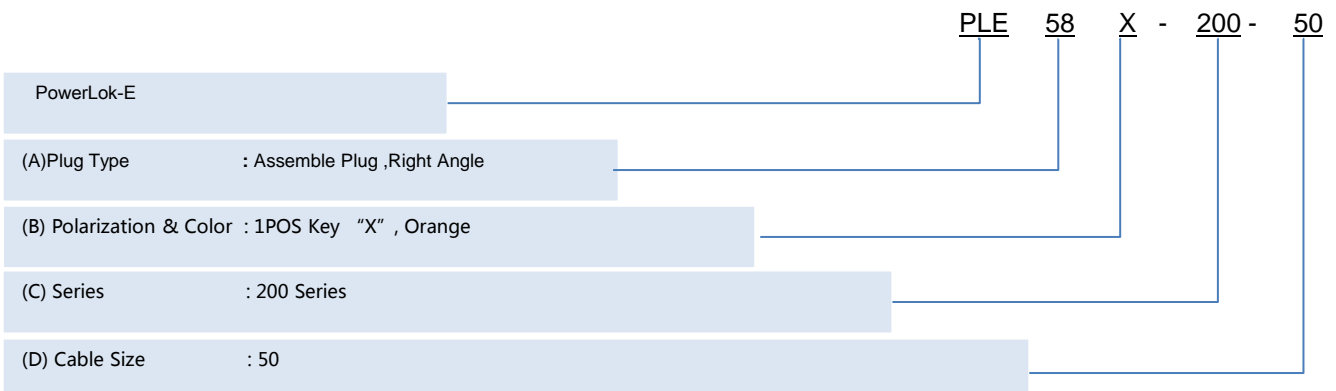
## PowerLok-E Plastic 1POS Assembly Plug Parameter

Series	PowerLok-E 1POS Plug Connector Size						
	A(mm)	B(mm)	C(mm)	D(mm)REF	E(mm)	F(mm)REF	G(mm)
200	24.0	23.8	Ø22	17.2	49.0	28.2	39.7
300	30.8	25.75	Ø25	19.5	52.0	32.0	39.31

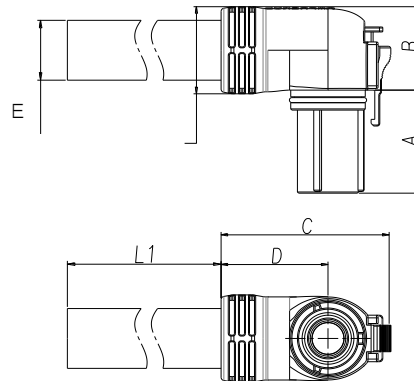
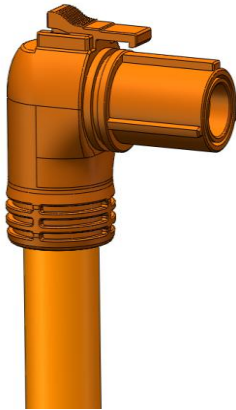
## PowerLok-E Plastic 1POS Plug Ordering Information

Product Type		(A) Plug Type		(B) Polarization		(C) Series	(D) Cable Size
PL	PowerLok-E	48	Assembly ,Straight Angle	X	Key "X" Orange	200	Refer to "PowerLok-E" Recommended Cable Size & Current Rating" Chart
		58	Assembly ,Right Angle	Y	Key "Y" Black	300	
				U	Key "U" Yellow		
				V	Key "V" Green		
				W	Key "W" Red		

## Ordering example



## PowerLok-E Plastic 1POS-90D Overmolded Plug



## PowerLok-E Plastic 1POS-90D Overmolded Plug Parameter

Series	PowerLok-E 1POS-90D Overmolded Plug Connector Size					
	A(mm)	B(mm)	C(mm)	D(mm)	E(Cable Size)	L1(Customer Define)
120	19.3	17.2	33.3	20.0	16~25mm <sup>2</sup>	—
300	31.0	25.1	50.3	32.0	35~95mm <sup>2</sup>	—

## PowerLok-E Plastic 1POS-90D Overmolded Plug Ordering Information

Product Type		(A) Plug Type		(B) Polarization		(C) Series	(D) Cable Size
PL	PowerLok-E	50	Overmolded ,Right Angle	X	Key "X" Orange	120	Refer to "PowerLok-E" Recommended Cable Size & Current Rating" Chart
				Y	Key "Y" Black	300	
				U	Key "U" Yellow		
				V	Key "V" Green		
				W	Key "W" Red		

## Ordering example

PowerLok-E	PLE	50	X	-	300	-	50
(A) Plug Type : Overmolded Plug ,Right Angle							
(B) Polarization & Color : 1POS Key "X" , Orange							
(C) Series : 300 Series							
(D) Cable Size : 50							

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

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