

PowerLok-R

**360°
By Receptacle**

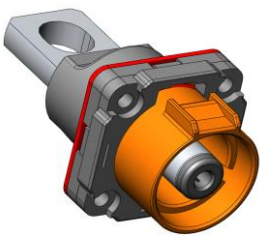


Current Rating	90A -300A
Voltage Rating	1000V
Temperature Range	-40°C to +125°C (Including Temperature Rise)
Flammability	UL94 V-0
Mating Cycle	500 Min
Protection	IP67
Mutil Polarization	5 Keys

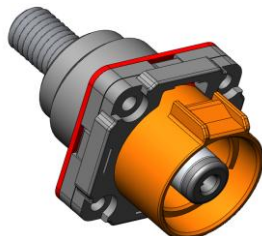
PowerLok-R Recommended Cable Size and Current Rating

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

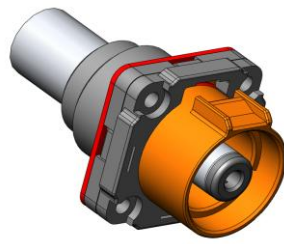
PowerLok-R Plastic 1POS Receptacle



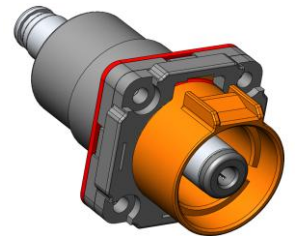
Pin - Busbar



Pin - Thread

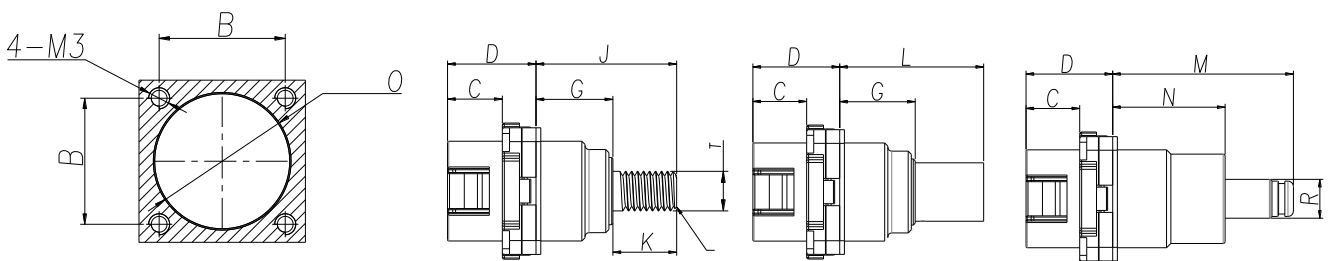
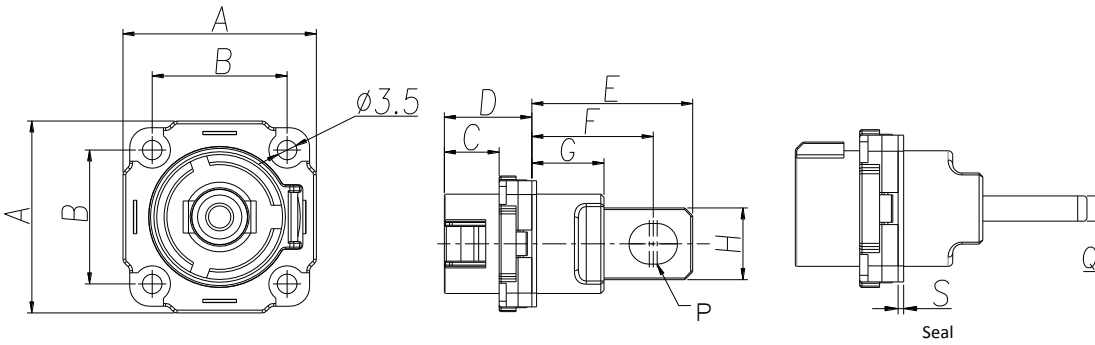


Pin - Tubular Lug



Pin - Pin

PowerLok-R 1POS Receptacle Parameter



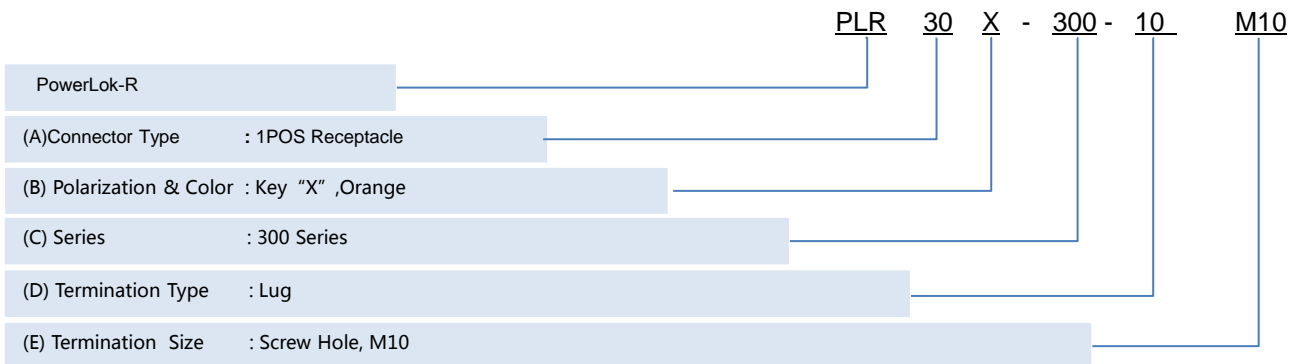
PowerLok-R 1POS Receptacle Parameter

Product Type		Series	PowerLok-R Size (mm)																
			A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S
PL	PowerLok-R	120	29.5	20.0	9.1	14.9	27.7	21.7	12.2	9.8	24.9	12.0	26.9	29.7	17.1	Ø17.2±0.2	1.0	Ø5.7	1.0
		300	34.4	24.0	13.8	22.2	40.8	30.8	19.3	18.2	35.3	16.0	36.8	46.3	28.8	Ø26.2±0.3	2.0	Ø10.0	1.2

PowerLok-R Plastic Receptacle Ordering Information

Product Type		(A) Connector Type		(B) Polarization		(C) Series	(D) Termination Type		(E) Termination Size	
PL	PowerLok-R	30	1 POS Receptacle	X	Key "X" Orange	120	10	Lug	M + Stud Size	Screw Hole
				Y	Key "Y" Black	300	20	Thread-Pin	D + Stud Size	Thread Hole
				U	Key "U" Yellow		40	Pin	M + Thread Size	Thread Size
				V	Key "V" Green				R + Pin Size	Pin Size
				W	Key "W" Red					

Ordering example



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

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 . AMPHENOL is a registered trademark of Amphenol Corporation.

For further information on your individual application requirements, contact: Amphenol Corporation

Amphenol Technical Products
International Co.
2110 Notre Dame Avenue Winnipeg, MB
Canada R3H 0K1
Telephone: 1-204-697-2222
Fax: 1-204-694-6164
www.tpil.com

Amphenol Sincere Flex Circuits Co., Ltd.
No.A,WanAn Industrial Park LanHe Town, Nansha
District, Guangzhou - China 511480
Telephone: 020-3483-9801
Fax: 020-3483-9800
www.amphenol-gasf.com

Amphenol Industrial Operations
40-60 Delaware Street Sindny , New York
13838-1395 - USA
Telephone: 020-3483-9801
Fax: 020-3483-9800
www.amphenol-industrial.com