

Shaded areas mean must choose one

Masterpact NW/NT & Powerpact P Cradle Cat. Numbering System Based on PLS012

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Character	Meaning
C	Complete Cradle
D	Cradle without Backmold
B	Backmold only (Not available with ArcBlok)

Character		Platform/Pole spacing		Frame Size (Max. Amps)		
3 pole		4 pole		ANSI	UL489	IEC
Standard	ArcBlok					
S	-	D	C4D – 70 mm	-	1200	1600
T	-	A	NT – 70 mm	800	1200	1600
W	G*	B	NW – 115 mm	3200	3000	4000
Y	H*	C	NW – 230 mm	6000**	6000**	6300
E			NW DC – 115 mm	4000	4000	4000

* Available in arcblok cradle. (Reserve letters F, J, K and L for future T and 4 pole options)

**Arcblok H cradle is available up to 5000A only

Standard			
Brand	UL&CSA&NOM Character	ANSI Character	IEC 947-2 Character
Square D	L*	A*	C
Schneider Electric	G	N	M

* Arcblok available in UL and ANSI only.

AC

Top Terminals (position 5)		Bottom Terminals (position 6)	
Char.	NW UL/ANSI NT/C4D UL/ANSI *	Char.	NW UL/ANSI NT/C4D UL/ANSI *
V *	NW/NT: 2 hole RCTV	V *	NW/NT: 2 hole RCTV
H *	NW/NT: 2 hole RCTH	H *	NW/NT: 2 hole RCTH
C *	NW/NT: 4 hole RCTV	C *	NW/NT: 4 hole RCTV
D	4 hole RCTH	D	4 hole RCTH
E *	NW: 9.7 inch Orion FCT NT: 800-1200 A FCF	E *	NW: 9.7 inch Orion FCT NT: 800-1200 A FCF
T	11.75 inch Orion FCT	T *	NW: 11.75 inch Orion FCT
G	4 hole RCTV 6 pole	G	4 hole RCTV 6 pole
B	4 hole RCTH 6 pole	B	4 hole RCTH 6 pole
J	9.7 inch OEM FCT 6 pole	J	9.7 inch OEM FCT 6 pole
K	4 hole OEM FCF 6 pole	K	4 hole OEM FCF 6 pole
L	2 hole 9.25 inch FCF	M	2 hole 8 inch FCF
Y	Orion offset left 3 inch	S	Orion main left 5 inch
P	Orion centered 3 inch	F	Orion feeder left "T" 5 inch
Q	Orion wide 3 inch	A	OEM main 5 inch
R	Orion main left 8 inch	N	OEM main 6 pole 5 inch
U	OEM main 8 inch	W	Orion main 6 pole 8 inch
W	Orion main 6 pole 8 inch	Q	Orion wide 3 inch
		Y	Orion offset left 3 inch
		Z	6 pole Orion feeder "T" 5 in
I	4 hole RCTV w/ heatsinks 6P 6000A UL or ANSI	I	4 hole RCTV w/ heatsinks 6P 6000A UL or ANSI
S	4 hole RCTV w/ heatsinks 6P 6000A UL or ANSI	U	4 hole RCTV w/ heatsinks 6P 6000A UL or ANSI
X	None	X	None

* Use these connectors for NT or C4D cradle

AC

Char. ac.	Frame (A)	ANSI	UL	Frame (A)	IEC
A	800	N1,H1,H2,H3,HA,HA,HF	N,H,HF	800	N1,H1,H2,NA,HA,HA,HF
B		L1,L1F,HC	HB,L,L1,L1F		L1
C	1000				H10,HA10
D				1000	N1,H1,H2,NA,HA,HA,HF
E	1200		N,H,HF,G*,J*,L*,K*		L1,L*
F			HB,L,L1,L1F		H10,HA10
G	1600	N1,H1,H2,H3,HA,HA,HF	N,H,HF	1250	N1,H1,H2,NA,HA,HA,HF,N*,H*
H		L1,L1F,HC	HB,L,L1F		L1
I					H10,HA10
J	2000	H1,H2,H3,HA,HA,HF	N,H,HF	1600	N1,H1,H2,NA,HA,HA,HF,N*,H*
K		L1,L1F,HC	HB,L,L1F		L1
L	2500		H,HF		H10,HA10
M			HB,L	2000	H1,H2,HA,HA,HF
N	3000		H,HF		H3
O					L1
P			HB,L		H10,HA10
Q				2500	H1,H2,HA,HA,HF
R	3200	H1,H2,H3,HA,HA,HF			H3
S		L1,HC			H10,HA10
T	4000	H2,H3,HA,HA,HF	H,HF		H1,H2,HA,HA,HF
U		L1,HC	HB,L	3200	H3
V	5000	H2,H3,HA,HA,HF	H,HF		H10,HA10
W		L1,HC	HB,L	4000	H1,H2,HA,HA,HF
X	6000	H2,H3,HA,HA,HF	H,HF		H3,H10,HA10
Y		L1,HC	HB, L	4000B /5000	H1,H2,HA
Z				6300	H1,H2,HA

DC

Char.	Option
9*	none
2	shutters
3**	Shutters with padlocking provision
5	Shutters with padlock provision and shutter position indicator

*Standard offer for UL and ANSI cradle

** Standard offer for IEC NT & NW cradle

DC

Top Terminals (position 5)		Bottom Terminals (position 6)	
Char.	NW DC UL/ANSI	Char.	NW DC UL/ANSI
V	RCTV 2 hole a)	V	RCTV 2 hole a)
H	RCTH 2 hole a)	H	RCTH 2 hole a)
C	RCTV 4 hole b)	C	RCTV 4 hole b)
D	RCTH 4 hole b)	D	RCTH 4 hole b)
X	None	X	None

- a) 800 – 2500 A
- b) 3000 – 4000 A
- c) 1000 – 2000 A
- d) 4000 A

DC

Char. ac.	Frame (A)	ANSI - DC (General Purpose)	UL - DC	Frame (A)	IEC - DC
A	800	N, type C	N, H type C		N, H, HA type C
B	800		N, H type C1		H, HA type D
C					H, HA type E
D	1200		N, H type C		
E	1200		N, H type C1		
F					
G	1600	N, type C	N, H type C		
H	1600		N, H type C1		
J					
K	2000	N, type C	N, H type C	2000	N, H, HA type C
L	2000		N, H type C1	2000	H, HA type D
M				2000	H, HA type E
N	2500		N, H type C		
P	2500		N, H type C1		
Q					
R	3000	N, type ? (TBD)	N, H type C		
S	3000		N, H type C1		
T					
U	4000	N, type ? (TBD)	N, H type C	4000	N, H, HA type C
V	4000		N, H type C1	4000	H, HA type D
W				4000	H, HA type E

Type C: 3P construction, load is connected between pole A and C (500 Vdc)

Type C1: 3P construction, load is connected between pole A and C (center pole to split 2 batteries 250 vdc), (500 Vdc)

Type D: 3P construction, load is connected between pole (A+B) and C (900 Vdc)

Type E: 4P construction, load is connected between pole (A+B) and (C+D) (900 Vdc)

Char.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	Y	X
Option																							
Cell keying (standard)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
No lock	X																						X
1 Kirk lock in chassis		X										X											
2 Kirk locks in chassis			X										X										
1 Ronis lock in chassis				X										X									
2 Ronis lock in chassis					X										X								
1 Schneider lock in chassis						X										X							
2 Schneider locks in chassis							X										X						
1 Profalux lock in chassis								X										X					
2 Profalux locks in chassis									X										X				
1 Castell lock in chassis										X										X			
2 Castell locks in chassis											X										X		
Locking in all positions												X	X	X	X	X	X	X	X	X	X	X	X
None (for backmold only or standard C4D)																							X

Masterpact NW/NT & Powerpact P Cradle Cat. Numbering System Based on PLS012

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Use character X if not required

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19

25

Top fed	Bottom fed	Sensor Ampacity
X	X	None
D	2	250
E	3	400
F	4	600
H	5	800
J	6	1200
L	A	1600
M	B	2000
N	C	2500
P	G	3000
R	K	3200
S	U	4000
T	V	5000
W	Y	6000

Position	Description	Wiring Code	Char acter
11	Communication	COM 1)	A
12	ZSI/ MDGF/ Neutral Sensor/ 24 Vdc supply	UC1+UC2+UC3 1)	B
13	Programmable contact module (2PCM or 6PCM)	M2C/M6C 2)	C
14	2 nd Alarm trip switch or Electrical Reset	SDE2/RES 4) 6)	D
15	Undervoltage or 2 nd shunt trip	MN/MX2	E
16	Shunt trip + Shunt close + Spring charging motor	MX1+XF+MCH 5)	F
17	Ready to close contact (PF) for B1/B2, or early break-make contacts (CAO-CAF) for C4D	PF/ CAO-CAF	G
18	Additional 4 form C (Wago) or 2a+2b (ring tongue) auxiliary contacts	OF 11-14 3) 4) 7)	H
	Additional 8 form C (Wago) aux. contacts	OF 21-24 3) 4) 7)	J
	4 form C "Connected and Closed" switches	EF 11-14 3) 4) 7)	K
	8 form C "Connected and Closed" switches	EF 21-24 3) 4) 7)	L
	4 low level form C "Connected and Closed" switches	EF 11-14 3) 4) 7)	M
	8 low level form C "Connected and Closed" switches	EF 21-24 3) 4) 7)	N
	4 additional form C auxiliary switches + 4 form C "connected and closed" switches	OF 11-14 and EF 11-14 3) 4) 7)	P
	4 additional form C auxiliary switches + 4 low level form C "connected and closed" switches	OF 11-14 and EF 11-14 3) 4) 7)	R

Characters	Description, where used
A	Aggreko cradle 3)
B	Navy cradle
C	Cradle rack in interlock
D	Door Interlock kit
F	For 2 keylocks keyed different
G	ABS-NVR rated
H	4P with Right-hand side Neutral 7)
K	For 2 keylocks keyed alike
M	No racking handle
N	Additional 12 Auxiliary Switches 5)
P	OFF push button – crank interlock 4)
T	Test report 2)
V	External voltage sensing wiring 1)
W	Secondary wiring terminal shield
Y	Customer special 6)
Z	No instruction manual

1) Not available for ring tongue terminal. Incompatible with Programmable Contact Module on NT/C4D frame cradle.

2) Standard for ANSI cradle, select only for UL or IEC cradle if required.

3) For Aggreko only, see spec for details.

4) Not available for C4D cradle. Standard for UL and ANSI NT and NW cradle, select only for IEC NW cradle if required.

5) Used on NT UL/ANSI cradle only for Field Service special Nuclear application

6) This character "Y" is to be used in conjunction with three numeric characters (e.g. Y123) to define customer's special. If the catalog number exceeds 25 characters, some features/ options will be combined into this Yxxx (in variable positions between position 19 to 25) so that the number of characters is 25 or less. Character "Z" (no instruction manual) should be part of the catalog number and not be placed into the "Yxxx" variable positions.

7) Only available for UL 489 and IEC 947-2 breakers.

	Push-in with 4 form C aux. contacts										Ring-tongue w/ 2a+2b aux contacts								Backmold only	
Character	A	B	S*	C	U*	D	T*	E	V	F	G	H	J	K	L	M	N	P	R	X
None	X										X									X
Connected		1c	1c	3c	3c	3c	3c	6c	6c	9c		1b	1b	1a 2b	1a 2b	2a 1b	1a	3a	3b	
Test		1c	1c	1c	1c	3c	3c	0	3c	0		1b	1b	1a	1b	1b	1a	1a	1b	
Disconnected		1c	1c	2c	2c	3c	3c	3c	0	0		1a	1a 1b	1a 2b	2a 1b	1a 2b	1a	3a	3b	

* S, T, and U characters are for low level cell switches

a = normally open contact , b = normally closed contact, c = form C contact

- 1) COM, UC1 and UC2 will be supplied with 6-wire push-in terminals as standard even if Position 11 and 12 are X, and also when Ring terminals are specified. This is done so that the jumpers can be installed for ZSI and NCT to prevent issues with coms or restraint signals if trip unit is upgraded, etc.
- 2) Not compatible with External voltage sensing on NT cradle
- 3) Not available for NT cradle
- 4) Not available for C4D cradle
- 5) XF and MCH are not available for C4D cradle
- 6) An SDE switch comes standard on NT, NW and C4D.
- 7) NT comes standard with 4 form C (OF1-4) aux. contacts and none can be added. NW comes standard with 4 form C (OF 1-4) aux. Contacts and more can be added as above. C4D comes standard with wirings for 5 form C contacts (OF 1-3 aux. contacts, SD alarm contact and SDE overcurrent trip switch as shown in note 6).