

Shaded areas mean must choose one

MasterPact NW/NT Cat. Numbering System Based on PLS007

Courtesy of NationalSwitchgear.com

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

* Available in ArcBlok construction. (Reserve letters F, J, K and L for future T and 4 pole options)
 ** 4000 A for Fixed breakers with 4000 A max sensor plug, or Drawout breakers with 3600 A max sensor plug
 *** 1600 A for Fixed breakers
 # ArcBlok max. amps is 5000A

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.

DC

UL - DC		ANSI - DC (General Purpose)				IEC - DC			
Char	AIR Code	LR: 8 ms	Cons	AIR Code	LR: 13 ms (800-3000 A), 11 ms (4000 A)	Cons	AIR Code	LR: 5/15/30 ms	Cons
1	N	500V: 35 kA	NW-type C	NNA	300V: 25 kV 800 A 50 kA/1600-2000 A	NW-type C	N	500V: 85/35/25 kA	NW-type C
2				NNA	300V: 75 kV 3000 A	NW-type C	HHA	500V: 100/85/50 kA	NW-type C
3	H	500V: 85kA	NW-type C	NNA	300V: 100kA/ 4000A	NW-type C	HHA	500V: 100/85/50 kA 750V: 85/50/50 kA 800V: 85/50/25 kA	NW-type D
4	H						HHA	500V: 100/85/50 kA 750V: 85/50/50 kA 800V: 85/35/25 kA	NW-type E
5	N	500V: 35 kA	NW-type C1 series						
6	H	500V: 85 kA	NW-type C1 series						
7	N	500V: 35 kA	NW-type C1 series						
8	N	500V: 85 kA	NW-type C1 series						

Type C: 3P construction, load is connected between pole A and C (500 Vdc)
 Type C1 - Split: 3P construction, load is connected between pole A and C (center pole to split 2 batteries 300 VDC) (800 Vdc) or
 Type C1 - Series: 3P construction, load is connected between pole B and C (A and B poles are connected in series) (800Vdc)
 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) (800 Vdc)

UL&CSA&NOM				ANSI				IEC					
Char	AIR Code	240/480/600 Vac 50/60Hz	Cons	AIR Code	254/508/635 Vac 50/60Hz	Cons	AIR Code	240/440/690 Vac 50/60Hz	Cons				
1	N	50/50/35 65/65/50	NT NW				N1/A	42/42/42	NW				
2				N1/NA N1	42/42/NA 42/42/42	NT NW	HA HA HA	42/42/42 50/50/50 85/85/85	NT NW a)				
3	H/HF	85/50/50 100/100/85	NT NW				HF	85/85/85	NW				
4				H1/HA	65/85/65	NW	H1 H1 H1	42/42/42 85/85/85 100/100/100	NT NW a)				
5				H2 HA	85/85/85 85/85/85	NW d)	H2 H2 H2	50/50/42 100/100/85 150/150/100	NT NW a)				
6				H3/HF	100/100/85	NW	H3	150/150/100	NW b)				
7	L/HB L/HB	200/100/NA 200/150/100	NT NW				L1 L1	150/130/25 150/150/100	NT c)				
8	L1	100/85/NA	NT	L1/HC	200/200/130	NW	H10	50 (1150V)	NW				
9	LF LF	200/100/NA 200/150/100	NT NW	L1F	200/200/130	NW	HA10	50 (1150V)	NW				
A	HXT	-/100/25 e)	NW				H1T	-/85/25 e)	NW				

a) For 5000 and 6300 A N, H, L1, H1, H2, H3, H10, L1, LF, L1F: Circuit Breaker
 b) For 2000 to 4000 A HB, HC, HF: Automatic Switch
 c) For 800 to 3000 A NA, HA, HA10: Non-automatic Switch
 d) For 4000 to 6000 A
 e) special offer for Coordination type 2, WM application

Character	Frame Rating (A)	AC	DC
A	800	ANSI/UL/IEC	ANSI/UL
P	800 (max sensor plug 250 A)	ANSI/UL/IEC	
B	1000	IEC	UL/IEC
C	1200	UL	UL
D	1250	IEC	
R	1400		UL
E	1600	ANSI/UL/IEC	ANSI/UL
F	2000	ANSI/UL/IEC	ANSI/UL/IEC
G	2500	UL/IEC	UL
H	3000	UL	ANSI/UL
J	3200	ANSI/IEC	UL
K	4000	ANSI/UL/IEC	ANSI/UL/IEC
L	5000	ANSI/UL/IEC	
M	6000	ANSI/UL	
N	6300	IEC	

Char	Ampacity	Char	Ampacity
W	100	E	1600
P	250	F	2000/ DC IEC Switch
S	400	G	2500/ DC 2500-5400
T	600	H	3000
U	630 (IEC only)	J	3200
A	800	K	4000/ DC IEC Switch
B	1000 / DC IEC Switch	L	5000/ DC 5000-11000
C	1200	M	6000
D	1250 (IEC only) DC 1250-2500	N	6300 (IEC only)
		R	3600

AC

Fixed or Drawout	Char.	NW UL/ ANSI * NT UL/ ANSI		NW IEC * NT IEC	
		Top	Bottom	Top	Bottom
Fixed	V *	NW/NT: 2 hole RCTV	NW/NT: 2 hole RCTV	NW: 800-3200 A RCTV NT: 800-1600 A RCTV	NW: 800-3200 A RCTV NT: 800-1600 A RCTV
Fixed	H *	NW/NT: 2 hole RCTH	NW/NT: 2 hole RCTH	NW: 800-3200 A RCTH NT: 800-1600 A RCTH	NW: 800-3200 A RCTH NT: 800-1600 A RCTH
Fixed	F *	NW/NT: 2 hole FCF	NW/NT: 2 hole FCF	NW: 800-3200A FCF long NT: 800-1600A FCF	NW: 800-3200A FCF short NT: 800-1600A FCF
Fixed	D *	NW/NT: 2 hole FCF	NW/NT: 2 hole RCTH	NW: 800-3200A FCF long NT: 800-1600A FCF	NW: 800-3200 A RCTH NT: 800-1600 A RCTH
Fixed	K *	NW/NT: 2 hole FCF	NW/NT: 2 hole RCTV	NW: 800-3200A FCF long NT: 800-1600A FCF	NW: 800-3200 A RCTV NT: 800-1600 RCTV
Fixed	L *	NW/NT: 2 hole RCTV	NW/NT: 2 hole FCF	NW: 800-3200 A RCTV NT: 800-1600 RCTV	NW: 800-3200A FCF short NT: 800-1600A FCF
Fixed	N	4 hole RCTH	4 hole RCTV	4000 A RCTH	4000 A RCTV
Fixed	P	4 hole RCTH 6 pole	4 hole RCTV 6 pole	5000 A RCTH	5000 A RCTV
Fixed	Q	4 hole RCTV	4 hole RCTH	4000 A RCTV	4000 A RCTH
Fixed	S	4 hole RCTV 6 pole	4 hole RCTH 6 pole	5000 A RCTV	5000 A RCTH
Fixed	W *	NW/NT: 2 hole RCTH	NW/NT: 2 hole RCTV	NW: 800-3200 A RCTH NT: 800-1600 A RCTH	NW: 800-3200 A RCTV NT: 800-1600 RCTV
Fixed	Y *	NW/NT: 2 hole RCTV	NW/NT: 2 hole RCTH	NW: 800-3200 A RCTV NT: 800-1600 A RCTV	B2: 800-3200 A RCTH NT: 800-1600 A RCTH
Fixed	Z	RCOV 4000 A ANSI 3P	RCOV 4000 A ANSI 3P		
Fixed	T	11.75 inches FCT	9.7 inches FCT		
Fixed	G	Orion 9.7 inches FCT	Orion 9.7 inches FCT		
Fixed	U	8 inches RCOV 3200 A	5 inches RCOV 3200 A		
Fixed	B *	NW/NT: 4 hole RCTV	NW/NT: 4 hole RCTV	4000 A RCTV	4000 A RCTV
Fixed	J	4 hole RCTH	4 hole RCTH	4000 A RCTH	4000 A RCTH
Fixed	M	4 hole RCTV 6 pole	4 hole RCTV 6 pole	5000 A RCTV	5000 A RCTV
Fixed	A	4 hole RCTH 6 pole	4 hole RCTH 6 pole	5000 A RCTH	5000 A RCTH
Fixed	E	4 hole RCT with heat sink 6 pole 5000 A	4 hole RCT with heat sink 6 pole 5000 A		
Fixed	C	4 hole RCTV w/ heatsinks 6P 6000A UL or ANSI	4 hole RCTV w/ heatsinks 6P 6000A UL or ANSI	6300 RCTV	6300 RCTV
Fixed	X	None	None	None	None
Drawout	R	Drawout breaker		Drawout breaker	

DC

Fixed or Drawout	Char.	NW UL/ ANSI		NW IEC	
		Top	Bottom	Top	Bottom
Fixed	V	RCTV 2 hole a)	RCTV 2 hole a)	RCTV 3 hole c)	RCTV 3 hole c)
Fixed	H	RCTH 2 hole a)	RCTH 2 hole a)	RCTH 3 hole c)	RCTH 3 pole c)
Fixed	B	RCTV 4 hole b)	RCTV 4 hole b)	RCTV 5 hole d)	RCTV 5 hole d)
Fixed	J	RCTH 4 hole b)	RCTH 4 hole b)		
Fixed	X	None	None	None	None
Drawout	R	Drawout Breaker		Drawout Breaker	

RCTV: Rear Connected "T" Vertical
 RCTH: Rear Connected "T" Horizontal
 RCOV: Rear Connected Offset Vertical
 FCF: Front Connected Flat
 FCT: Front Connected "T"
 a) 800 - 2500 A
 b) 3000 - 4000 A
 c) 1000 - 2000 A
 d) 4000 A

Courtesy of NationalSwitchgear.com

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Character	Option
A	UL Plug "A"
B	UL Plug "B"
C	UL Plug "C"
D	UL Plug "D"
E	UL Plug "E"
F	UL Plug "F"
G	UL Plug "G"
H	UL Plug "H"
X	No Rating Plug Required
P	"OFF" Plug (IEC) Only
R	IEC "Standard" Plug
S	IEC "Lower Range" Plug
T	IEC "Upper Range" Plug

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Pos.	Option	12 Vdc	24-30 Vac/dc	48-60 Vac/dc	100-130 Vac/dc	200-240 Vac/dc	277 Vac	380-415 Vac	380-480 Vac	440-480 Vac	2 nd OC trip switch	2 nd OC trip switch (low level)	None	
12	Spring charging motor MCH	-	-/C	D/D	F/G	H/J	K	L	-	P			X	
13	Shunt trip MX or Shunt trip-Cor	A V	B/B C/C	D/D E/E	F/F G/G	H/H J/J	K R	-	M S	-			X	
14	Closing coil XFor Closing coil-Cor	A V	B/B C/C	D/D E/E	F/F G/G	H/H J/J	K R	-	M S	-			X	
15 1)	Electric reset or 2 nd overcurrent trip switch SDE	-	-	-	F/-	H/-	-	-	-	-	-	W	Y	X

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Position 16 (must choose one)								
Option	12 Vdc	24-30 Vac/dc	48-60 Vac/dc	100-130 Vac/dc	200-240 Vac/dc	277 Vac	380-480 Vac	None
Instantaneous undervoltage		A	B	C	D		E	
Adjustable time-delayed undervoltage			G	H	J		K	
Fixed time-delayed undervoltage			L	M				
Second Shunt trip	N	P	R	S	T	U	W	
None								X

1) one SDE contact comes standard

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	4 Form C NT ² or 4 Form C NW	8 Form C ³ NW	12 Form C NW	4 Form C NT ² Low level
No PCM ¹	S	C	D	A
2 PCM ¹	F	G	H	B
6 PCM ¹	K	L	M	E

- 1) PCM = Programmable Contact Module, 2PCM on breaker, 6PCM remote. Applicable with ELU/ELH trip units only.
- 2) NT comes standard with 4 form C (OF1-4) aux contacts and none can be added.
- 3) Eight is the maximum quantity for ring tongue terminals.

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	A	B	C	D	E	F	G	H	J	K	L	X
Ready to Close switch	X				X	X				X		
Low level Ready to close switch		X					X	X			X	
Padlockable push button cover			X		X		X		X	X	X	
Mechanical operation counter				X		X		X	X	X	X	
None												X

Char.	Communications Type
2	For future use
3	Modbus
4	Devicenet
5	CAN
6	Profibus DP
7	Batibus
8	For future use
9	None

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Breaker type	B1/B2	B1			B2													
Character	A	X	B	C	D	E	F	M	P	Q	R	S	T	U	V	W	Y	
Padlock	X							X	X	X	X	X	X	X	X	X	X	
1 Kirk lock			X					X										
2 Kirk locks									X									
1 Ronis lock				X						X								
2 Ronis locks											X							
1 Fed. Pioneer lock					X								X					
2 Fed. Pioneer locks														X				
1 Profalux lock								X							X			
2 Profalux locks																X		
1 Castell lock									X								X	
2 Castell locks																		X
None	X																	

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Char.	Meaning	Char.	Meaning
A	ABS-NVR rated	K	2 keylocks keyed alike
B	4P with Right-hand side Neutral 8)	N	Additional 12 Auxiliary Switches 6)
C	CT's characterization	R	Automatic reset
D	Dual rated Aggreko breakers 2)	T	Test Report 1)
E	Push button electrical close	V	External voltage sensing wiring 3)
F	2 keylocks keyed different	Y	Customer special 7)
G	OFF Push button -Crank interlock 4)	Z	No instruction manual 5)
H	Automatic Spring Discharge Interlock 4)		

- 1) Standard for ANSI breaker, select only for UL or IEC breaker if required.
- 2) For Aggreko only, see spec for details.
- 3) Incompatible with programmable contact module on NT breaker. Not available for ELS or ELA trip unit.
- 4) Not available for fixed breaker. Standard for UL and ANSINT and NW breaker, select only for IEC NW drawout breaker if required.
- 5) Use only for Fixed breaker if desired. Drawout breaker does not come with instruction manual.
- 6) Used on NT UL/ANSI breaker only for Field Service special Nuclear application.
- 7) 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.
Examples:
WLSFFV64A3SFXXXXX (18 char) + 18 in. wire harness for shunt trip = WLSFFV64A3SFXXXXXY245 (25 char)
WLSFFV64A3SFXGXXXXPCHRTV (26 char) = WLSFFV64A3SFXGXXXPCDEY445 (25 char)
WLSFFV64A3SFXGXXXXPCHRTVZ (27 char) + 18 in. wire harness for shunt trip = WLSFFV64A3SFXGXXXPCDY526Z (25 char)
- 8) Only available for UL 489 and IEC 947-2 breakers.