Masterpact NT and NW

LV power circuit breakers 630 to 6300 A











Covering all your applications

Masterpact meets the needs of all types of LV electrical distribution networks.



Building

- Hotels
- Hospitals
- Offices
- Retail



Data Centres and Networks

M

Industry

- Mining and minerals
- Automotive
- Food and beverage
- Chemical industry



Energy and Infrastructures

- Airports
- Oil and gas
- Water
- Electrical energy
- Marine
- Wind turbines









Masterpact provides an answer to specific applications.

- 1000 V for mines
- Direct current networks
- Corrosion protection
- Switch-disconnectors and earthing switches
- $\bullet \, \text{Automatic transfer switching equipment (ATSE) for emergency power systems} \\$
- $\bullet \ \, \text{High electrical endurance applications: Masterpact NT H2} \ is a high performance device offering high breaking capacity \\ \text{(Icu: 50 kA/480 V) and a high level of discrimination, all in a small volume }$

Masterpact UR -

Whenever high short circuit is involved

Masterpact UR is a low voltage ultra rapid opening circuit breaker. Its fault detection rate and its reaction speed mean that it will stop a short circuit from developing. As a result, this is the key component in very high power installations equipped with a number of power sources connected in parallel.

Masterpact UR truly comes into its own when short circuit currents can reach very high levels and when continuity of service is a must: **offshore installations**, **cement plants**, **petrochemical industry**. It is also especially suited to electrical installations on board **merchant ships**.







Concentrated know-how

Aiming at standardising electrical switchboards at a time when installations are increasingly complex, Masterpact provides an unequalled simplicity, both concerning choice and installation.

Optimised volumes

Masterpact is the smallest power circuit breaker in the world, concentrating all the performances of a sophisticated power circuit breaker in compact dimensions. Masterpact thus optimises the installation and guarantees its operation in complete peace of mind.

Ease of installation

Masterpact range has been designed to standardise switchboards and simplify installation:

- single pole pitch for each physical size: 115/230 mm for NW, 70 mm for NT;
- incoming connection to top or bottom terminals: front or horizontal or vertical rear connections that can be modified on-site without changing the depth;
- no derating up to 55 °C and 4000 A.

Maximum security

The arc chutes absorb the energy released during breaking, thus limiting the stresses exerted on the installation. They filter and cool the gases produced, reducing effects perceptible from the outside.







Masterpact NW

More than

86% of materials can be recycled at the end of product life.

All standards

Masterpact is compliant with international standards IEC 60947-1 and 2, IEC 68230 for type 2 tropicalisation, UL489, ANSI/UL1066, CCC and GOST.



Compliance with environmental requirements

The materials used for Masterpact are not potentially dangerous to the environment and are marked to facilitate sorting for recycling.

Production facilities are non-polluting in compliance with the ISO 14001 standard.



Circuit breakers and switch-disconnectors

NT06 to NT16

Common characteristics		
Number of poles		3/4
Rated insulation voltage (V)	Ui	1000
Impulse withstand voltage (kV)	Uimp	12
Rated operational volt. (V AC 50/60 Hz)	Ue	690
Suitability for isolation	IEC 60947-2	-X I/
Degree of pollution	IEC 60664-1	3

Sensor selection							
Sensor rating (A)	250 ⁽¹⁾	400	630	800	1000	1250	1600
Ir threshold set. (A)	100	160	250	320	400	500	640
	to 250	to 400	to 630	to 800	to 1000	to 1250	to 1600

(1) For NT02 rating, please consult us.

Circuit breaker characteristics as per I	EC 60947	-2	NT06			NT08	NT10	NT12	NT16
Rated current (A)	In	40/50 °C(1)	630			800	1000	1250	1600
Rating of 4th pole (A)			630			800	1000	1250	1600
Sensor ratings (A)			400 to	630		400 to 800	400 to 1000	630 to 1	250 800 to 160
Type of circuit breaker			H1	H2	L1 (2)	•		H1	H2
Ultimate breaking capacity (kA rms)	lcu	220/415 V	42	50	150			42	50
V AC 50/60 Hz		440 V	42	50	130		-	42	50
		525 V	42	42	100			42	42
		690 V	42	42	25			42	42
Rated service breaking capacity (kA rms)	lcs	% lcu	100%					100%	
Utilisation category			В	В	Α			В	В
Rated short-time withstand current (kA rms)	lcw	0.5 s	42	36	10			42	36
V AC 50/60 Hz		1 s	42	36	-			42	36
		3 s	24	20	-			24	20
Integrated instantaneous protection (kA peak ±10	0 %)		-	90	10xIn(3)			-	90
Rated making capacity (kA peak)	lcm	220/415 V	88	105	330			88	105
V AC 50/60 Hz	· ·	440 V	88	105	286			88	105
		525 V	88	88	220			88	88
		690 V	88	88	52			88	88
Break time (ms) between tripping order and arc e	xtinction		25	25	9			25	25
Closing time (ms)			< 50					< 50	
Circuit breaker characteristics as per N	IEMA AB1								
Breaking capacity (kA)	•	240 V	42	50	150			42	50
V AC 50/60 Hz		480 V	42	50	100			42	50
		600 V	42	42	25			42	42

Type of switch-disco	nnector				HA									HA			
Rated making capacity	(kA peak)		lcm	220 V	75									75			
AC23A/AC3 category - V	AC 50/60	Hz		440 V	75									75			
				525/690 V	75									75			
Rated short-time withst	and curre	ent (kA rms)	lcw	0.5 s 36								36					
AC23A/AC3 category - \lor	Hz		1 s	36									36				
				3 s	20									20			
Jltimate breaking capa	city lcu (k	A rms)		690 V	36									36			
vith an external protec	tion relay																
Maximum time delay: 3	50 ms																
Mechanical and el	ectrica	l durability as per	IEC 6	0947-2/3 a	t In/le												
ervice life M	Mechanical	without maintenance			12.5												
C/O cycles x 1000																	
Type of circuit break	er				H1	H2	L1	H1	H2	L1	H1	H2	L1	H1	H2	H1	H2
Rated current			In (A)		630			800			1000			1250		1600	
C/O cycles x 1000	lectrical	without maintenance		440 V (4)	6	6	3	6	6	3	6	6	3	6	6	3	3
EC 60947-2				690 V	3	3	2	3	3	2	3	3	2	3	3	1	1
Type of circuit break	er or swi	tch-disconnector			H1/H2	2/HA											
Rated operationnal o	urrent		le (A)	AC23A	630			800			1000			1250		1600	
C/O cycles x 1000	lectrical	without maintenance		440 V (4)	6			6			6			6		3	
EC 60947-3				690V	3			3			3			3		1	
Type of circuit break	er or swi	tch-disconnector			H1/H2	2/HA											
Rated operationnal o	urrent		le (A)	AC3 (5)	500			630			800			1000		1000	
Notor power (kW)				380/415 V	≤ 250			250 to	335		335 to	450		450 to	560	450 to	560
_				440 V	≤ 300			300 to	400		400 to	500		500 to	630	500 to	630
/O cycles x 1000	lectrical	without maintenance		440 V (4)	6												
JO Cycles X 1000																	

- (1) 50 °C: rear vertical connected. Refer to temperature derating tables for other connection types.
 (2) See the current-limiting curves in the "additional characteristics" section.
 (3) SELLIM system.
 (4) Available for 480 V NEMA.

- (5) Suitable for motor control (direct-on-line starting).





Circuit breakers and switch-disconnectors

NW08 to NW63

Common characteristics				
Number of poles				3/4
Rated insulation voltage (V)			Vi	1000/1250
mpulse withstand voltage (kV)			Uimp	12
Rated operational voltage (V AC 50/60 Hz)			Ue	690/1150
Suitability for isolation			IEC 60947-2	-X I,
Degree of pollution			IEC 60664-1	4 (1000 V) / 3 (1250 V)
Circuit breaker characteristics as per IEC (6N947-2			
Rated current (A)	303 1 7 L			at 40 °C / 50 °C (1)
Rating of 4th pole (A)				at 40 C/ 30 C
Sensor ratings (A)				
Type of circuit breaker				
Ultimate breaking capacity (kA rms)			lcu	220/415/440 V
V AC 50/60 Hz				525 V
				690 V
				1150 V
Rated service breaking capacity (kA rms)			lcs	% lcu
Jtilisation category Rated short-time withstand current (kA rms)			law	1.0
Rated snort-time withstand current (KA rms) J AC 50/60 Hz			Icw	1 s 3 s
ntegrated instantaneous protection (kA peak ±10	1%)			JS
Rated making capacity (kA peak)	, ,0,		lcm	220/415/440 V
AC 50/60 Hz			· · · · · · · · · · · · · · · · · · ·	525 V
				690 V
				1150 V
Break time (ms) between tripping order and arc ex	ctinction			
Closing time (ms)				
Circuit breaker characteristics as per NEM	IA AB1			
Breaking capacity (kA)				240/480 V
V AC 50/60 Hz				600 V
Unprotected circuit breaker characteristic	s:			
Tripping by shunt trip as per IEC 60947-2				
Type of circuit breaker				
Ultimate breaking capacity (kA rms) V AC 50/60 H:	Z		lcu loo	220690 V
Rated service breaking capacity (kA rms)			les	% lcu
Rated short-time withstand current (kA rms)			lcw	1 s 3 s
Overload and short-circuit protection with extern	al protection	relay:		33
short-circuit protection, maximum delay: 350 ms ⁽⁴		relay.		
Rated making capacity (kA peak) V AC 50/60 Hz			lcm	220690 V
Switch-disconnector characteristics as pe	* IEC EUU4.	7 2 and Annov A		
•	1 166 0094	r-5 allu Allilex A		
Type of switch-disconnector			lam	220690 V
Rated making capacity (kA peak) AC23A/AC3 category - V AC 50/60 Hz			lcm	1150 V
Rated short-time withstand current (kA rms)			lcw	1 s
AC23A/AC3 category - V AC 50/60 Hz			10 14	3 s
Earthing switch				
Latching switch Latching capacity (kA peak)				135
Rating short time withstand (kA rms)			lcw	1 s
			· · · ·	3 s
Mechanical and electrical durability as pe	r IEC 60947	7-2/3 at In/ <u>le</u>		
Service life	Mechanical	with maintenance		
C/O cycles x 1000		without maintenance		
Type of circuit breaker				
Rated current			In (A)	
C/O cycles x 1000	Electrical	without maintenance		440 V (5)
EC 60947-2				690 V
				1150 V
Type of circuit breaker or switch-disconnector				
Rated operational current			le (A)	AC23A
C/O cycles x 1000	Electrical	without maintenance		440 V (5)
EC 60947-3				690 V
Type of circuit breaker or switch-disconnector			1- (8)	A C 2 (S)
Rated operational current			le (A)	AC3 (6)
Motor power				380/415 V (kW)
Motor power				
Motor power				440 V (5) (kW)
Motor power C/O cycles x 1000	Electrical	without maintenance		440 V (kW) 690 V (kW) 440/690 V (5)

^{(1) 50 °}C: rear vertical connected. Refer to temperature derating tables for other connection types. (2) See the current-limiting curves in the "additional characteristics" section. (3) Equipped with a trip unit with a making curve (5) Available for 480 V NEMA. (6) Suitable for motor control (direct-on-line starting).

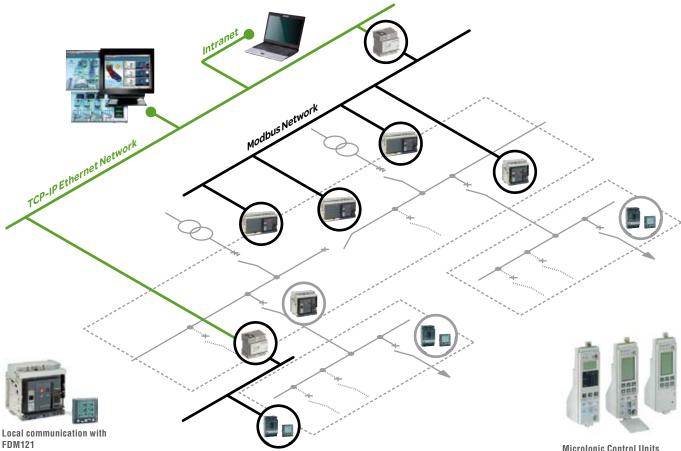
Sensor selection													
Sensor rating (A)	250(1)	400	630	800	1000	1250	1600	2000	2500	3200	4000	5000	6300
Ir threshold setting (A)	100	160	250	320	400	500	630	800	1000	1250	1600	2000	2500
	to 250	to 400	to 630	to 800	to 1000	to 1250	to 1600	to 2000	to 2500	to 3200	to 4000	to 5000	to 6300

(1) For NW02 rating, please consult us.

NW08	NW10	NW12	NW16		NW20					NW25	NW32	NW40		NW40b		NW63
800	1000	1250	1600	_	2000					2500	3200	4000		4000	5000	6300
800	1000	1250	1600		2000					2500	3200	4000		4000	5000	6300
400	400	630	800		1000					1250	1600	2000		2000	2500	3200
to 800	to 1000	to 1250	to 1600		to 2000					to 2500	to 3200	to 4000		to 4000	to 5000	to 630
N1	H1	H2	L1 (2)	H10	H1	H2	Н3	L1 (2)	H10	H1	H2	Н3	H10	H1	H2	
42	65	100	150	-	65	100	150	150	-	65	100	150	-	100	150	
42	65	85	130	-	65	85	130	130	-	65	85	130	-	100	130	
42	65	85	100	-	65	85	100	100	-	65	85	100	-	100	100	
-	-	-	-	50	-	-	-	-	50	-	-	-	50	-	-	
100%					100%					100%				100%		
В					В					В				В		
42	65	85	30	50	65	85	65	30	50	65	85	65	50	100	100	
22	36	50	30	50	36	75	65	30	50	65	75	65	50	100	100	
-	-	190	80	-	-	190	150	80	-	-	190	150	-	-	270	
88	143	220	330	-	143	220	330	330	-	143	220	330	-	220	330	
88	143	187	286	-	143	187	286	286	-	143	187	286	-	220	286	
88	143	187	220	-	143	187	220	220	-	143	187	220	-	220	220	
-	-	-	-	105	-	-	-	-	105	-	-	-	105	-	-	
25	25	25	10	25	25	25	25	10	25	25	25	25	25	25	25	
< 70					< 70					< 70				< 80		
42	65	100	150	_	65	100	150	150	-	65	100	150		100	150	
 42	65	85	100	_	65	85	100	100	_	65	85	100	_	100	100	
· · -										, 55				1.00		
	на	HF ⁽³⁾			на	HF (3)				НА	HF ⁽³⁾			НА		
	50				50					55				85		
-		85				85					85					
-	100%	05			100%	0.5				100%	0.5			100%		
-	50	85			50	85				55	85			85		
-	36	50			36	75				55	75			85		
	-	-			-	-				-	-			-		
	105	107			105	107				121	107			107		
	105	187			105	187				121	187			187		
NW08/		187 W 12/ NW	16		105	187	NW20			121	187 NW25/N	NW32/N	W40	_	′NW50/N	IW63
NW08/	NW10/N		16 HF		105 HA10		NW20		HF	121 HA10	NW25/N	IW32/N	W40 HA10	_	/NW50/N	IW63
	NW10/N	W12/ NW							HF 187		NW25/N			NW40b/	/NW50/N	IW63
NA	NW10/N	W12/ NW Ha	HF		HA10		НА			HA10	NW25/N HA 121	HF	HA10	NW40b/	/NW50/N	IW63
NA	NW10/N	W12/ NW HA 105	HF 18	7	HA10 -		НА		187	HA10 -	NW25/N HA 121	HF 187	HA10 -	NW40b/	/NW50/N	IW63
NA 88 -	NW10/N\ - -	W12/ NW HA 105	HF 18' -	7	HA10 - 105		HA 105 -		187	HA10 - 105 50	NW25/N HA 121 - 55	HF 187 -	HA10 - 105	NW40b/ HA 187	/NW50/N	IW63
NA 88 - 42	NW10/N\ - -	W12/ NW HA 105	HF 18 - 85	7	HA10 - 105 50		HA 105 - 50		187 - 85	HA10 - 105 50	NW25/N HA 121 - 55	HF 187 - 85	HA10 - 105 50	NW40b/ HA 187 - 85	'NW50/N	IW63
NA 88 - 42	NW10/N\ - -	W12/ NW HA 105	HF 18 - 85	7	HA10 - 105 50		HA 105 - 50		187 - 85	HA10 - 105 50	NW25/N HA 121 - 55	HF 187 - 85	HA10 - 105 50	NW40b/ HA 187 - 85	′NW50/N	IW63
NA 88 - 42 -	NW10/N\ - -	W12/ NW HA 105	HF 18 - 85	7	HA10 - 105 50		HA 105 - 50		187 - 85	HA10 - 105 50	NW25/N HA 121 - 55	HF 187 - 85	HA10 - 105 50	NW40b/ HA 187 - 85	/NW50/N	IW63
NA 88 - 42 -	NW10/N\ - -	W12/ NW HA 105	HF 18 - 85	7	HA10 - 105 50		HA 105 - 50		187 - 85	HA10 - 105 50	NW25/N HA 121 - 55	HF 187 - 85	HA10 - 105 50	NW40b/ HA 187 - 85	'NW50/N	IW63
NA 88 - 42 -	NW10/N\ - -	W12/ NW HA 105	HF 18 - 85	7	HA10 - 105 50		HA 105 - 50		187 - 85	HA10 - 105 50	NW25/N HA 121 - 55	HF 187 - 85	HA10 - 105 50	NW40b/ HA 187 - 85	/NW50/N	IW63
NA 88 - 42 - 60 Hz 50 Hz	NW10/N\ - -	W12/ NW HA 105	HF 18 - 85	7	HA10 - 105 50		HA 105 - 50 36		187 - 85	HA10 - 105 50	NW25/N HA 121 - 55	HF 187 - 85	HA10 - 105 50	NW40b / HA 187 - 85 85	/NW50/N	IW63
NA 88 - 42 - 60 Hz 50 Hz	NW10/N\ - -	W12/ NW HA 105	HF 18 - 85	7	HA10 - 105 50		HA 105 - 50 36		187 - 85	HA10 - 105 50	NW25/N HA 121 - 55	HF 187 - 85	HA10 - 105 50	NW40b / HA 187 - 85 85	/NW50/N	IW63
60 Hz 50 Hz 12.5	NW10/N	W12/ NW HA 1005	HF 188 - 85 50	7	HA10 - 105 50		HA 105 - 50 36	112	187 - 85 50	HA10 - 105 50 50	NW25/N HA 121 - - 55 55	HF 187 - 85 75	HA10 - 105 50 50	NW40b / HA 187 - 85 85		IW63
60 Hz 50 Hz 12.5 N1/H1/H	NW10/NV	W12/ NW HA 1005 500 336	HF 18 - 85	7	HA10 - 105 50		HA 105 - 50 36 20 10 H1/H2	НЗ	187 - 85	HA10 - 105 50 50	NW25/N HA 121 - 55 55	HF 187 - 85 75	HA10 - 105 50	NW40b / HA 187 - 85 85	H2	
60 Hz 50 Hz 12.5 N1/H1/H 800/100	NW10/N I	W12/ NW HA 1005 50 336	HF 188 - 85 50	7	HA10 - 105 50		HA 105 - 50 36 20 10 H1/H2 2000		187 - 85 50	HA10 - 105 50 50	NW25/N HA 121 - 55 55 55 H1/H2 2500/32	HF 187 - 85 75 H3 00/4000	HA10 - 105 50 50	NW40b / HA 187 - 85 85 85 10 5 H1 4000b / 50	H2 000/6300	
60 Hz 50 Hz 25 12.5 N1/H1/H 800/100	NW10/NV	W12/ NW HA 1005 500 36	HF 188 - 85 50	7	HA10 - 105 50		HA 105 - 50 36 20 10 H1/H2 2000 8	2	187 - 85 50	HA10 - 105 50 50	NW25/N HA 121 - 55 55 55 55 55	HF 187 - 85 75 - H3 00/4000 1.25	HA10 - 105 50 50	NW40b / HA 187 - 85 85 85 10 5 H1 4000b / 50	H2 000/6300	
60 Hz 50 Hz 12.5 N1/H1/H 800/100	NW10/NV	W12/ NW HA 1005 50 336	HF 18 - 85 50	0	HA10 - 105 50		HA 105 - 50 36 20 10 H1/H2 2000		187 - 85 50	HA10 - 105 50 50 H10	NW25/N HA 121 - 55 55 55 55 55 41/H2 2500/320 5 2.5	HF 187 - 85 75 - H3 00/4000 1.25 1.25	HA10 - 105 50 50 H10	NW40b / HA 187 - 85 85 85 10 5 H1 4000b / 50	H2 000/6300 1.5 1.5	
60 Hz 50 Hz 12.5 N1/H1/H 800/100 10 -	NW10/NV	W12/ NW HA 1005 500 36	HF 188 - 85 50	0	HA10 - 105 50		20 10 H1/H2 2000 8 6	2 2 -	187 - 85 50 L1 3 3	HA10 - 105 50 50	NW25/N HA 121 - 55 55 55 4 H1/H2 2500/320 5 2.5	HF 187 - 85 75 - H3 00/4000 1.25	HA10 - 105 50 50	NW40b / HA 187 - 85 85 85 10 5 H1 4000b/50 1.5 1.5	H2 000/6300 1.5 1.5	
60 Hz 50 Hz 12.5 N1/H1/H 800/100 10 - H1/H2/I	NW10/NV	W12/ NW HA 1005 50 336	HF 18 - 85 50	0	HA10 - 105 50		20 10 H1/H2 2000 8 6 - H1/H2/	2	187 - 85 50 L1 3 3	HA10 - 105 50 50 0.5	NW25/N HA 121 - 55 55 55 55 - H1/H2 2500/32 5 2.5	HF 187 - 85 75 H3 00/4000 1.25 1.25	HA10 - 105 50 50 H10	NW40b / HA 187 - 85 85 85 10 10 5 H1 4000b/50 1.5 1.5 1.5 - H1/H2/H	H2 000/6300 1.5 1.5	
60 Hz 50 Hz 25 12.5 N1/H1/H 800/100 - H1/H2/I 800/100	NW10/NV	W12/ NW HA 1005 50 336	HF 18 - 85 50	0	HA10 - 105 50		20 10 H1/H2 2000 8 6 - H1/H2/2000	2 2 -	187 - 85 50 L1 3 3	HA10 - 105 50 50 0.5	NW25/N HA 121 - 55 55 55 55 - 2500/32	HF 187 - 85 75 H3 00/4000 1.25 1.25	HA10 - 105 50 50 H10	NW40b/ HA 187 - 85 85 85 10 5 H1 4000b/50 1.5 1.5 - H1/H2/H	H2 000/6300 1.5 1.5	
60 Hz 50 Hz 25 12.5 N1/H1/H 800/100 10 - H1/H2/I 800/100	NW10/NV	W12/ NW HA 1005 50 336	HF 18 - 85 50	0	HA10 - 105 50		20 10 H1/H2 2000 8 6 - H1/H2/ 2000 8	2 2 -	187 - 85 50 L1 3 3	HA10 - 105 50 50 0.5	NW25/N HA 121 - 55 55 55 55 2500/32 5 2.5 - 2500/32	HF 187 - 85 75 H3 00/4000 1.25 1.25	HA10 - 105 50 50 H10	NW40b/ HA 187 - 85 85 85 10 5 H1 4000b/50 1.5 - H1/H2/H 4000b/50	H2 000/6300 1.5 1.5	
60 Hz 50 Hz 25 N1/H1/H 800/100 10 - H1/H2/I 800/100	NW10/N 12 0/1250/1 13 14A/HF 1250/1	W12/ NW HA 1005 50 336	HF 18 - 85 50	0	HA10 - 105 50		20 10 H1/H2 2000 8 6 - H1/H2/2000 8 6	2 2 - / H3/HA/I	187 - 85 50 L1 3 3 -	HA10 - 105 50 50 0.5	NW25/N HA 121 - 55 55 55 55 - 2500/32	HF 187 - 85 75 H3 00/4000 1.25 1.25	HA10 - 105 50 50 H10	NW40b/ HA 187 - 85 85 85 10 5 H1 4000b/50 1.5 1.5 - H1/H2/H	H2 000/6300 1.5 1.5	
60 Hz 50 Hz 25 12.5 N1/H1/H 800/100 10 - H1/H2/I 800/100	NW10/NV	W12/ NW HA 105 50 36 4 4 5 6 6 6 6 6 6 6 6 6 6 6 7 8 8 8 8 8 8 8 8	HF 18 - 85 50 50 50 50 50 50 50 50 50 50 50 50 50	0	HA10 - 105 50		20 10 H1/H2 2000 8 6 - H1/H2/2000 8 6	2 2 -	187 - 85 50 L1 3 3 -	HA10 - 105 50 50 0.5	NW25/N HA 121 - 55 55 55 55 2500/32 5 2.5 - 2500/32	HF 187 - 85 75 H3 00/4000 1.25 1.25	HA10 - 105 50 50 H10	NW40b/ HA 187 - 85 85 85 10 5 H1 4000b/50 1.5 - H1/H2/H 4000b/50	H2 000/6300 1.5 1.5	
60 Hz 50 Hz 25 N1/H1/H 800/100 10 - H1/H2/I 800/100	NW10/N 12 12 0/1250/1 14 14 14 14 14 14 14 14 14 1	W12/ NW HA 1005 500 336 	HF 18 - 85 50	0	HA10 - 105 50 50		20 10 H1/H2 2000 8 6 - H1/H2/2000 8 6	2 2 - / H3/HA/I	187 - 85 50 L1 3 3 -	HA10 - 105 50 50 0.5	NW25/N HA 121 - 55 55 55 55 2500/32 5 2.5 - 2500/32	HF 187 - 85 75 H3 00/4000 1.25 1.25	HA10 - 105 50 50 H10	NW40b/ HA 187 - 85 85 85 10 5 H1 4000b/50 1.5 - H1/H2/H 4000b/50	H2 000/6300 1.5 1.5	
60 Hz 50 Hz 25 N1/H1/H 800/100 10 	NW10/N 12 0/1250/1 14 14 14 14 14 14 14 14 14 1	W12/ NW HA 105 50 36 4 4 5 6 6 6 6 6 6 6 6 6 6 6 7 8 8 8 8 8 8 8 8	HF 18 - 85 50 50 50 50 50 50 50 50 50 50 50 50 50	0	HA10 105 - 50 - 50 - 670 - 1600 - 670 - 105	00 900	20 10 H1/H2 2000 8 6 H1/H2/2000 8 6 H1/H2/1	2 2 - /H3/HA/I	187 - 85 50 L1 3 3 -	HA10 - 105 50 50 0.5	NW25/N HA 121 - 55 55 55 55 2500/32 5 2.5 - 2500/32	HF 187 - 85 75 H3 00/4000 1.25 1.25	HA10 - 105 50 50 H10	NW40b/ HA 187 - 85 85 85 10 5 H1 4000b/50 1.5 - H1/H2/H 4000b/50	H2 000/6300 1.5 1.5	
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Monitoring and protecting your low voltage network

Masterpact can be integrated in a general supervision system to optimise your electrical installation.



All Masterpact NT / NW circuit breakers can be connected to a high-visibility FDM121 front display module. Maintenance personnel will have convenient access to all data directly from the panel of the electrical cabinet.

Ensuring safety at any time

All Masterpact are equipped with a Micrologic electronic control unit that offers all types of current and advanced protection, measurement and communication. Protection functions are separated from the measurement functions and are managed by an ASIC electronic component. This independence guarantees immunity from conducted or radiated disturbances and ensures the highest degree of reliability.

Optimising the management of your electrical installation

When equipped with a Micrologic types E, P or H, Masterpact can be integrated in a general supervision system to optimise installation operation and maintenance. Alarms may be programmed for remote indications. Used with PowerLogic ION Enterprise software, you can exploit the electrical data (current, voltage, energy, frequency, power, and power quality) to optimise continuity of service and energy management:

- · reduce energy and operations costs;
- improve power quality, reliability and uptime;
- optimise equipment use.

Maximising continuity of service

Because a LV power supply interruption is unacceptable especially in critical power applications, an automatic system is required for LV transfer switching. For your peace of mind, Masterpact enables automatic control and management of power sources in your low voltage distribution network guaranteeing the hi-reliability of your installation.

Micrologic Control Units

All Masterpact are equipped with a Micrologic electronic control unit that offers a complete set of protections and state of the art measurements



EGX300 gateway-server or iRIO RTU

The EGX300 web-enabled gateway-server or the iRIO RTU (remote terminal unit) can both be used as Ethernet coupler for the PowerLogic System devices and for any other communicating devices operating under Modbus RS485 protocol. Data is viewable via a standard web browser

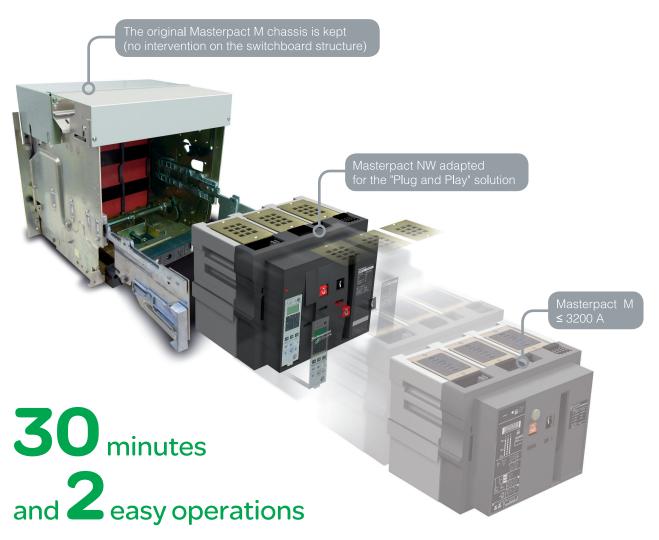


PowerLogic ION Enterprise

PowerLogic ION Enterprise software is a complete power management solution for your facility or plant operations. It can be connected to Masterpact through Ethernet/Modbus protocol.

"Plug and Play" retrofit solution

Schneider Electric proposes a fast and simple implementation with considerably reducing on-site intervention time and get the performance of last generation device.



The retrofit solutions use a factory modified and adapted Masterpact NW which is installed in the Masterpact M's original chassis.



For more information visit our website at www.schneider-electric.co.in
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