

강원랜드



저압 MCCB 규격서



배선용차단기

Upgraded for the
Global Best Worth

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Metasol

배선용차단기

LG MCCB 100% 호환 저압 차단기의新 표준 ... **Metasol** 시리즈

- $U_i = 1000V$
- $U_{imp} = 8kV$



• 호환성 및 디자인 차별화

- 기존 Meta-MEC과 취부호환 100%
- 외관 차별화 Design

• 선택차단 보호협조성능 향상

- Meta-MEC 대응량과의 선택차단
보호협조 조합 사용성 증대

• 외관 차별화 Design

• 차단용량 향상 (AC460V기준)

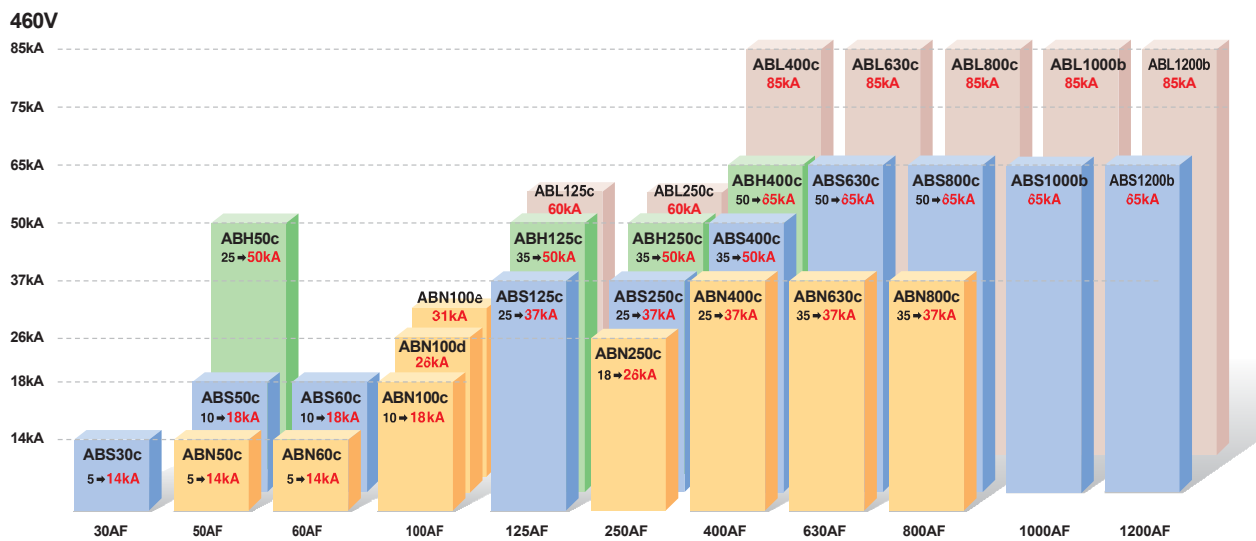
- N100AF : 10	18kA
- S125AF : 25	37kA
- S250AF : 25	37kA
- H250AF : 35	50kA
- N400AF : 25	37kA
- S400AF : 35	50kA
- S630AF : 50	65kA
- S800AF : 50	65kA

Metasol MCCB 차단용량 업그레이드



Metasol MCCB

차단용량 비교표 - Up grade현황



Metasol MCCB - 기존 LG MCCB 100% 호환

● Panel가공시 사용될 주요치수 (Depth, Cutout등)도 표준화 되어 있습니다



105×165×60mm



90×155×60mm



75×130×60mm

Metasol MCCB

AF Type	30AF	50AF	60AF	100AF	125AF	250AF	400AF	630AF	800AF	1000AF	1200AF
ABN		ABN50c 14kA	ABN60c 14kA	ABN100c 18kA ABN100d 26kA ABN100e 31kA		ABN250c 26kA	ABN400c 37kA	ABN630c 37kA	ABN800c 37kA		
ABS	ABS30c 14kA	ABS50c 18kA	ABS60c 18kA		ABS125c 37kA	ABS250c 37kA	ABS400c 50kA	ABS630c 65kA	ABS800c 65kA	ABS1000b 65kA	ABS1200b 65kA
ABH		ABH50c 50kA			ABH125c 50kA	ABH250c 50kA	ABH400c 65kA				
ABL					ABL125c 60kA	ABL250c 60kA	ABL400c 85kA	ABL630c 85kA	ABL800c 85kA	ABL1000b 85kA	ABL1200b 85kA

기종일람표 MCCB

배선용차단기

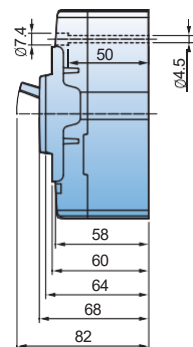
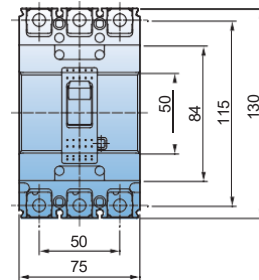


AF		30AF		50AF			60AF		
Type		E-type	S-type	N-type	S-type	H-type	N-type	S-type	
형명 및 극수	2극 (2-pole)	ABE32b	ABS32c	ABN52c	ABS52c	ABH52c	ABN62c	ABS62c	
	3극 (3-pole)	ABE33b	ABS33c	ABN53c	ABS53c	ABH53c	ABN63c	ABS63c	
	4극 (4-pole)	-	ABS34c	ABN54c	ABS54c	ABH54c	ABN64c	ABS64c	
정격전류, In	A	3, 5, 10, 15, 20, 30	(3, 5, 10), ^{주1)} 15, 16, 20, 25, 30	15, 16, 20, 25, 30, 32, 40, 50			15, 16, 20, 25, 30, 32, 40, 50, 60		
정격전압, Ue	AC (V)	460	690	690	690	690	690	690	
	DC (V)	-	500	500	500	500	500	500	
정격절연전압, Ui	V	460	1000	1000	1000	1000	1000	1000	
정격임펄스전압, Uimp kV		6	8	8	8	8	8	8	

AC	690V	-	2.5	2.5	5	10	2.5	5	
	480/500V	-	7.5 (5)	7.5	10	35	7.5	10	
	415/460V	2.5	14 (10)	14	18	50	14	18	
	380V	2.5	18 (14)	18	22	50	18	22	
	220/250V	5	30 (25)	30	35	100	30	35	
DC	500V (3극)	-	5	5	10	30	5	10	
	250V (2극)	-	5	5	10	30	5	10	
Ics=%×Icu		50	100	100	100	100	100	100	
외형치수 (mm)	W×H×D (3극)	75×96×60	75×130×60 (외형도 1)	75×130×60 (외형도 1)		90×155×60 (외형도 2)	75×130×60 (외형도 1)		

주) 1. S-type의 정격차단전류 중 ()는 3, 5, 10A 정격전류 제품만 해당합니다. 2. 50/60Hz 공용사용 가능함입니다. 3. 안전인증 취득정격은 220V, 460V 기준입니다. 4. DC 차단전류는 참고치입니다.
 5. 개정된 KS('11, '12)규격에 의해 인증원료 (220V, 460V) 6. 신 KS에서는 3극 차단기의 2극 변형 제품에 대하여 정의하지 않습니다. 7. ABN100d, ABN100e, ABL125c, ABL250c Type의 경우 Ics=()안의 kA임
 8. 100AF의 정격전류 중 ()는 ABN100c/ABN100d 제품만 해당합니다.
 9. 125AF, 250AF의 정격전류 중 ()는 L-Type은 해당되지 않습니다.

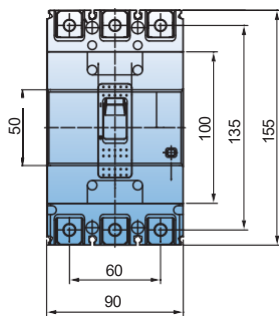
AF Type	30AF	50AF	60AF	100AF	125AF	250AF
ABN		ABN50c 14kA	ABN60c 14kA	ABN100c 18kA ABN100d 28kA ABN100e 31kA		ABN250c 26kA
ABS	ABS30c 14kA	ABS50c 18kA	ABS60c 18kA		ABS125c 37kA	ABS250c 37kA
ABH		ABH50c 50kA			ABH125c 50kA	ABH250c 50kA
ABL					ABL125c 60kA	ABL250c 60kA



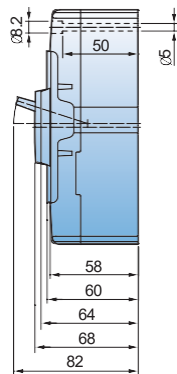
(외형도 1)



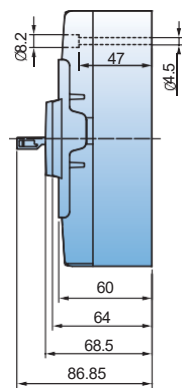
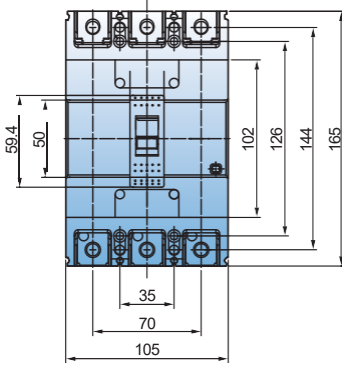
	100AF			125AF			250AF			
	N-type			S-type	H-type	L-type	N-type	S-type	H-type	L-type
	ABN102c	ABN102d	ABN102e	ABS102c	ABH102c	ABL102c	ABN202c	ABS202c	ABH202c	ABL202c
	ABN103c	ABN103d	ABN103e	ABS103c	ABH103c	ABL103c	ABN203c	ABS203c	ABH203c	ABL203c
	ABN104c	ABN104d	ABN104e	ABS104c	ABH104c	ABL104c	ABN204c	ABS204c	ABH204c	ABL204c
	15, (16), 20, (25), 30, (32), 40, 50, 60, (63), 75, (80), 100 ⁽⁵⁸⁾			15, (16), 20, (25), 30, (32), 40, 50, 60, (63), 75, (80), 100, 125 ⁽⁵⁹⁾			100, 125, 150, (160), 175, 200, 225, 250 ⁽⁵⁹⁾			
	690	690	690	690	690	690	690	690	690	690
	500	500	500	500	500	500	500	500	500	500
	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	8	8	8	8	8	8	8	8	8	8
	5	7.5 (5)	7.5 (5)	8	10	10 (10)	8	8	10	10 (10)
	10	14 (10)	14 (10)	26	35	35 (35)	18	26	35	35 (35)
	18	26 (18)	31 (18)	37	50	60 (50)	26	37	50	60 (50)
	22	30 (22)	31 (22)	42	50	60 (50)	30	42	50	60 (50)
	35	50 (35)	65 (35)	85	100	125 (100)	65	85	100	125 (100)
	10	15 (10)	15 (10)	20	30	30 (30)	10	20	30	30 (30)
	10	15 (10)	15 (10)	20	30	30 (30)	10	20	30	30 (30)
	100	()	()	100	100	()	100	100	100	()
	75×130×60 (외형도 1)			90×155×60 (외형도 2)			105×165×60 (외형도 3)			



(외형도 2)



(외형도 3)



기종일람표 MCCB

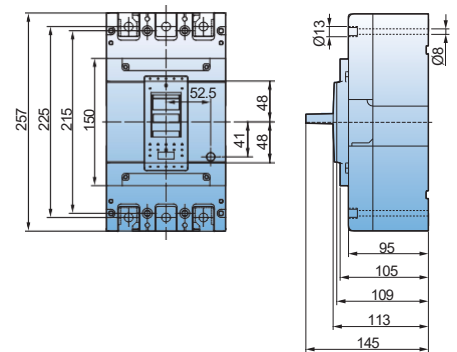
배선용차단기



AF		400AF				630AF			
Type		N-type	S-type	H-type	L-type	N-type	S-type	L-type	
형명 및 극수	2극 (2-pole)	ABN402c	ABS402c	ABH402c	ABL402c	ABN602c	ABS602c	ABL602c	
	3극 (3-pole)	ABN403c	ABS403c	ABH403c	ABL403c	ABN603c	ABS603c	ABL603c	
	4극 (4-pole)	ABN404c	ABS404c	ABH404c	ABL404c	ABN604c	ABS604c	ABL604c	
정격전류, In	A	250, 300, 350, 400				500, 600, 630			
정격전압, Ue	AC (V)	690	690	690	690	690	690	690	
	DC (V)	500	500	500	500	500	500	500	
정격절연전압, Ui	V	1000	1000	1000	1000	1000	1000	1000	
정격임펄스전압, Uimp	kV	8	8	8	8	8	8	8	
정격차단전류 (Icu) kA (Sym), KS C 8321, IEC 60947-2									
AC	690V	5	8	10	14	8	10	14	
	480/500V	18	35	50	65	25	45	65	
	415/460V	37	50	65	85	37	65	85	
	380V	42	65	70	100	45	75	100	
	220/250V	50	75	85	125	50	85	125	
DC	500V (3극)	10	20	40	40	10	20	40	
	250V (2극)	10	20	40	40	10	20	40	
Ics=%×Icu		100	100	100	75	100	100	75	
외형치수 (mm)	W×H×D	140×257×109				210×280×109			
	(3극)	(외형도 4)				(외형도 5)			

*주) 1. 50/60Hz 공용사용 가능합니다. (단, 1,000/1200AF 제품은 주파수에 따라 제품이 별도로 되어 있습니다. KS 미취득) 2. 안전인증 취득정격은 220V, 460V 기준입니다.
3. DC 차단전류는 참고치입니다. 4. KS ('11, '12) 규격에 의해 인증완료 (220V, 460V) 5. 신 KS에서는 3극 차단기의 2극 변형 제품에 대하여 정의하지 않습니다.

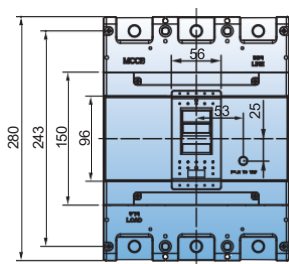
AF Type	400AF	630AF	800AF	1000AF	1200AF
ABN	ABN400c 37kA	ABN630c 37kA	ABN800c 37kA		
ABS	ABS400c 50kA	ABS630c 65kA	ABS800c 65kA	ABS1000b 65kA	ABS1200b 65kA
ABH	ABH400c 65kA				
ABL	ABL400c 85kA	ABL630c 85kA	ABL800c 85kA	ABL1000b 85kA	ABL1200b 85kA



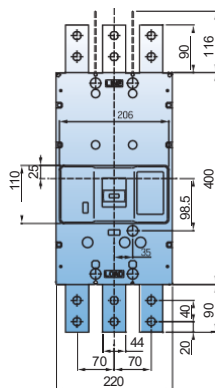
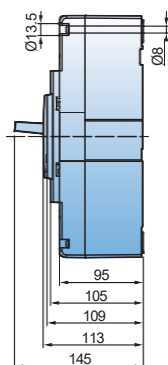
(외형도 4)



	800AF			1000AF		1200AF		
	N-type	S-type	L-type	S-type	L-type	S-type		L-type
	ABN802c	ABS802c	ABL802c	-	-	-	-	-
	ABN803c	ABS803c	ABL803c	ABS1003b	ABL1003b	ABS1203b	ABS1203bE	ABL1203b
	ABN804c	ABS804c	ABL804c	ABS1004b	ABL1004b	ABS1204b	-	ABL1204b
	700, 800			1000		1200		
	690	690	690	600	600	600	600	600
	500	500	500	-	-	-	-	-
	1000	1000	1000	690	690	690	690	690
	8	8	8	6	6	6	6	6
	8	10	14	-	-	-	-	-
	25	45	65	50	75	50	50	75
	37	65	85	65	85	65	65	85
	45	75	100	65	85	65	65	85
	50	85	125	100	125	100	100	125
	10	20	40	-	-	-	-	-
	10	20	40	-	-	-	-	-
	100	100	75	50	50	50	50	50
	210×280×109 (외형도 5)			220×400×105 (외형도 6)		220×400×105 (외형도 6)		



(외형도 5)



(외형도 6)

