

QUICK INSTALL TECHNOLOGY

Quick
•BAR•

For manufacturing distribution boards

Block type busbar **Quick BAR**

The fastest!
The safest!



SANGDO



Quick
·BAR·

”

The fastest and safest!
It's different when Sangdo makes it.

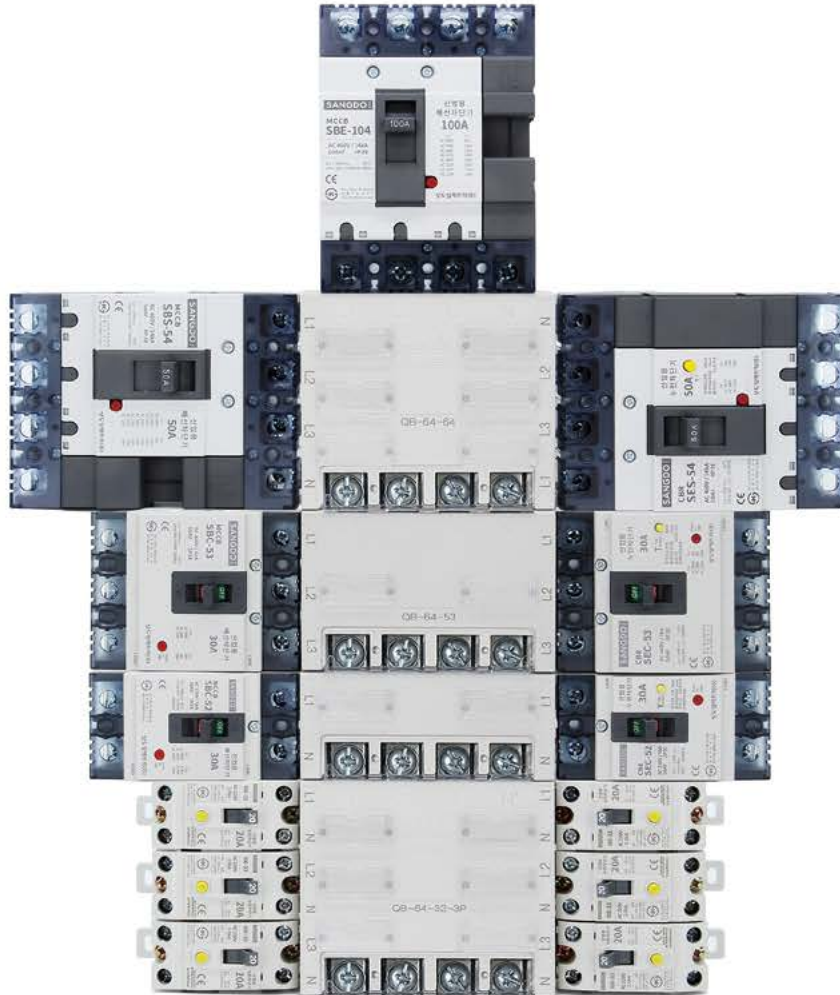
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Introduction to Quick Bar

Quickbar is a block-shaped busbar for making distribution panels.



Create fast and safe distribution panels



By applying the same color
as the circuit breaker.
A beautiful, integrated appearance.

It's different when a circuit breaker specialist makes it

It's more than 10 times faster
We provide same-day production
and same-day shipping.

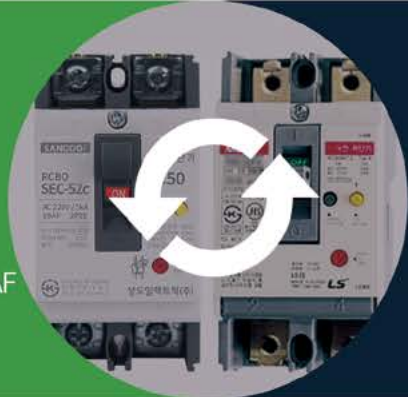


Purchased with a circuit breaker
Easy to install



**Fully compatible with all
standard circuit breakers**

- Main circuit breaker: 50AF, 100AF, 125AF, 250AF
- Branch circuit breakers: 32AF, 50AF, 100AF, 125AF, 250AF



It's faster to produce and safer

- Dual-bonded terminal with enhanced heat resistance and bonding strength
- Fire-resistant UL94 V-0 (highest flame retardant rating) case



Workability and economy

Quickbar is 10x faster

General busbar process

- Drawing and positioning
- Busbar cutting and bending
- Busbar drilling
- Busbar tapping
- Busbar coating and connection stripping
- Busbar and circuit breaker spacing adjustment (pre-assembly)
- Hole punching and tapping of the inner plate
- Circuit breaker and terminal assembly
- Acrylic cutting, punching, assembly



Quick bar process

- Center the distribution board
- Quick bar assembly
- Circuit Breaker Assembly



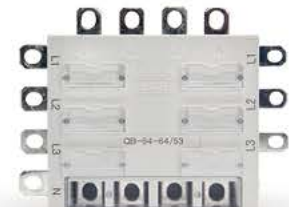
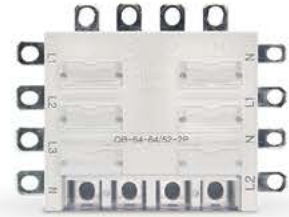
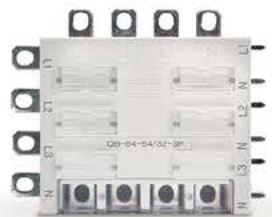
We provide same day
production and
same day shipping.

Makes complex tasks simple

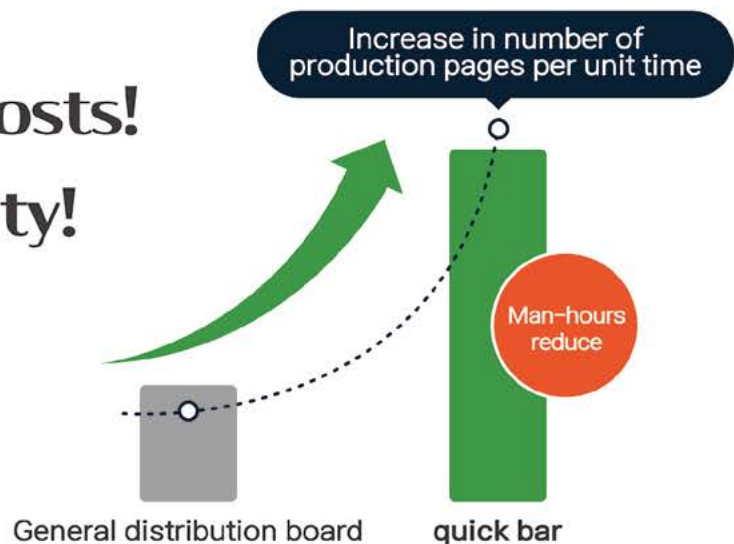
| Left and right symmetrical arrangement



| Various left and right configurations



Reduce labor costs!
High prefittability!



Compatibility and extensibility

Fully compatible with
all standard circuit breakers



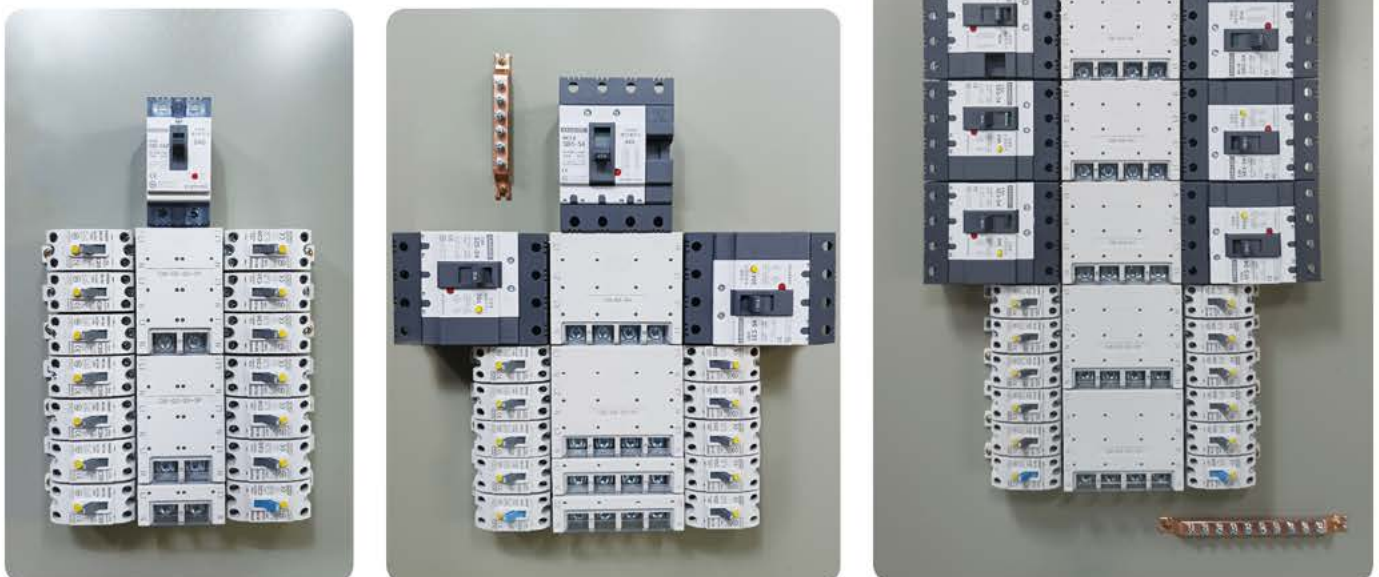
Main circuit breakers can be used in
a wide range of applications due to their diverse product configurations.

50AF	100AF	125AF	250AF
Breakers 			
Applicable products 			
QB 52	QB 62,64	104 Converter + QB 64	QB 204

Easy to install, purchased with a circuit breaker



**Block type
expansion or re-construction
quickly and easily**



**Easily change the configuration of an already installed distribution panel
without having to re-manufacture it !**

Introduction to performance

Details make the difference

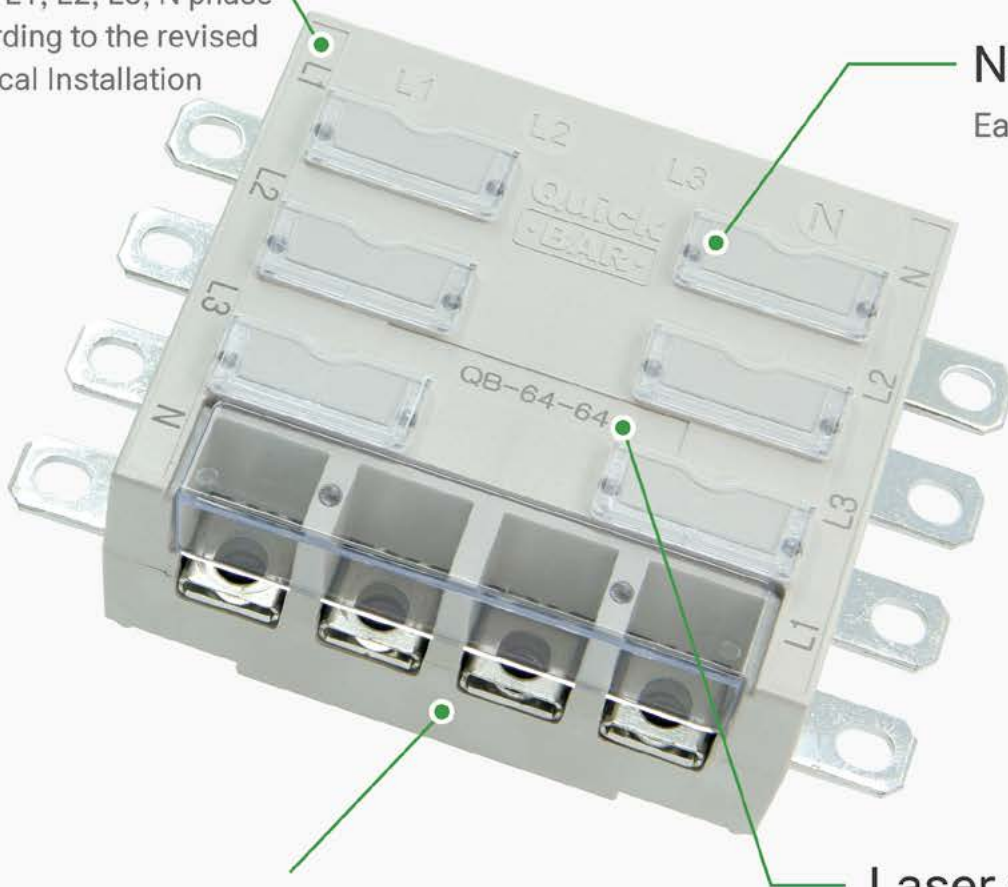
appearance

Phase notation

Application of L1, L2, L3, N phase marking according to the revised Korean Electrical Installation Standards

Name plate

Easy removal



UL94 V-0 grade flame retardant PC case

- Not acrylic, which is susceptible to heat and fire
UL VO grade flame retardant RC (polycarbonatel case applied
- A beautiful, integrated appearance
with a color similar to that of the circuit breaker
- Unlike the open panel, it has a sturdy case.
Protects the interior to prevent secondary accidents caused by arcs

Laser engraving

Does not discolor or erase

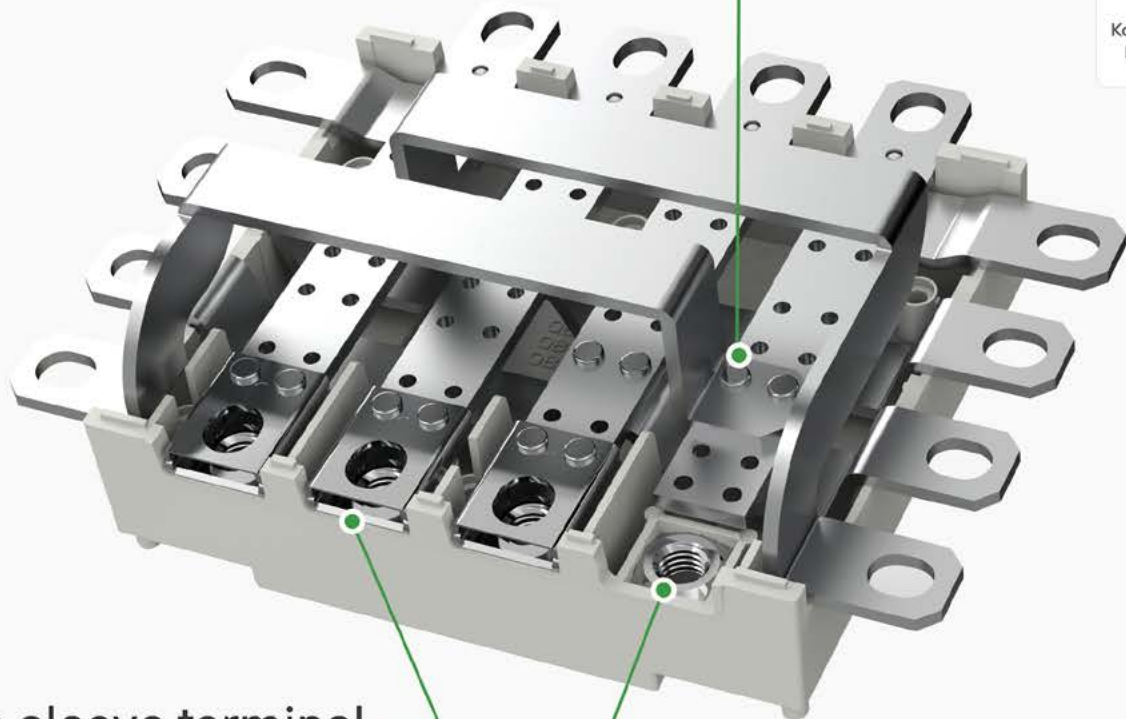
It's different when a circuit breaker specialist makes it

Inter-block connection performance upgrade | A safer quick bar with a double bonding structure

structure

rivet joint

Rivets instead of bolts on existing switchboards
Strengthening bolt loosening and heat resistance
reliability through bonding



Plug-in sleeve terminal

Applied to high capacity circuit breakers
Equipped with fastening technology

A method of fastening with a strong iron nut
instead of the existing copper busbar tab fastening method

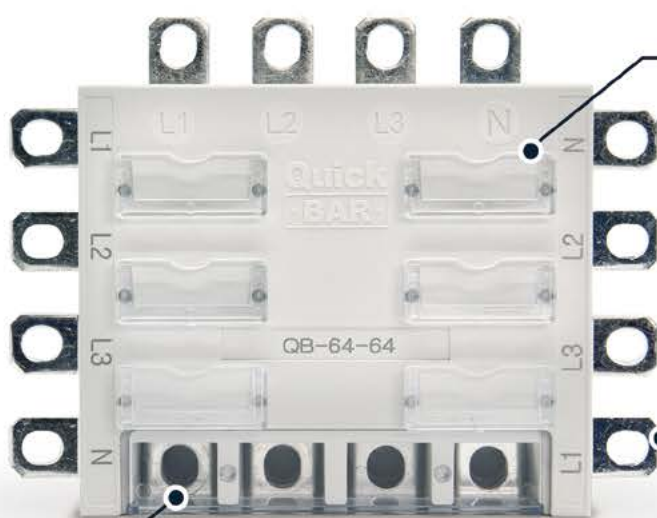
One time with a plug-in sleeve terminal!

One more time with the steel nuts!

Accessories


104 converter

* With the 104 converter, you can apply the same to the 64 series.


name plate


For 62



For 64

End cap


For 32
(4mm)



For 52,53
(8mm)



For 64
(11mm)



For 204
(14mm)

safety closure cap

Used when finishing the lower block of the distribution board



For 64



For 204

force resistant terminal

Used when connecting wires to the lower block of the distribution board



For 64



For 204


Bolt (basic component)


64 volts (round head 8*20)



204 volts (8*22 inner hexagon)


Terminal cover (basic component)


For 204 For 64 For 52

32 support

Used when installing 32AF circuit breakers

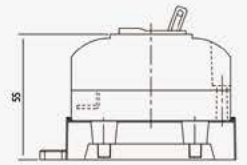


- * Easy-to-fit structure that allows for detachment between circuits.
- * Long hole fastening for improved circuit breaker compatibility.

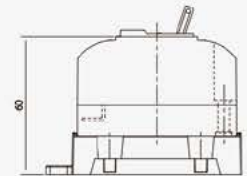
Circuit breaker for supports



- * Leakage circuit breaker SIE-32 (low type)/SEI-32 (GRhd)
- * Support and assembled support circuit breakers available for purchase



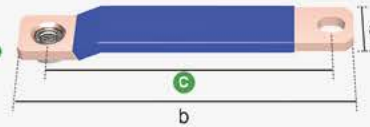
SIE-32



SEI-32

CT BAR

Used when combining main/branch CTs

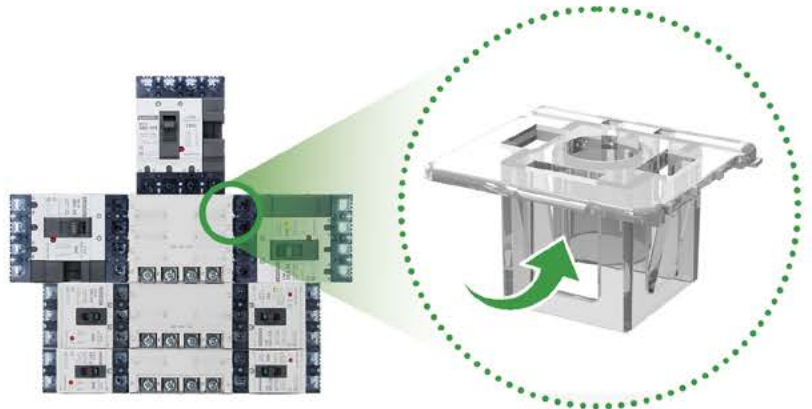
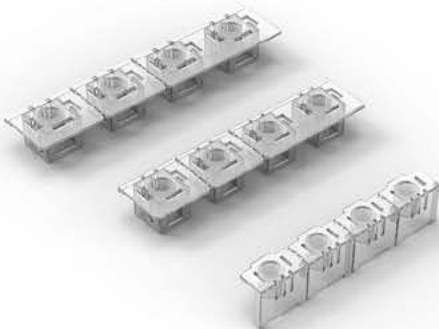


unit mm

	thickness	a	b	c	model name
64/104 common	3T	15	95	79.2	64/104 CT-bar 95L
64/104 common	3T	15	110	94.2	64/104 CT-bar 110L
64/104 common	3T	15	125	109.2	64/104 CT-bar 125L
204 only	4T	20	95	79.2	204 CT-bar 95L
204 only	4T	20	110	94.2	204 CT-bar 110L

* Use a length longer than the width of the CT.

circuit breaker safety cover



Structure that does not block the circuit breaker vent hole

For 250AF For 125AF For 50/100AF

- * Strengthens insulation of circuit breaker terminals and protects against arc discharge
- * Preserves short-circuit protection performance by not blocking the circuit breaker arc discharge port
- * Can be easily cut to fit the number of poles and used

Ground busbar



100A*8P

100A*5P

100A*3P

Not just the distribution board!
We also consider the performance of the circuit breaker ¹³

Format of product

Quick Bar Product Name: Main – Branch Left/Right – (Load Type)

product

QB

main breaker

64

Branch circuit
breaker (left)

64

Branch circuit
breaker (right)

52

Load method

L1N

main	Sangdo	LS	branch	Sangdo	LS	Load method	
52	SBC-52 SBC-102	BF52	32	SIE-32		L1N	L1 phase N phase
		ABE32b		SEI-32	32GRhd	L2N	L2 phase N phase
		52FR			BF52	L3N	L3 phase N phase
		EBE32b		SBC-52	ABE32b	L1/L2N	Phase-separated (left and right)
62	SBS-52 SBE-102	ABN52c	52		52FR	L1/L3N	Phase-separated (left and right)
		ABS52c		SEC-52	EBE32b	L2/L3N	Phase-separated (left and right)
		ABN62c		SBC-53	BF53	L1L2N	Phase-separated (upper and lower)
		ABS62c			ABE33b	L2L3N	Phase-separated (upper and lower)
ABN102c	53FR	L1L3N	Phase-separated (upper and lower)				
64	SBS-54 SBE-104	ABN54c	62	SEC-53	EBE33b	L	Left arrangement
		ABS54c		SBS-52	ABN52c	R	Right arrangement
		ABN64c		SES-52	EBS52c	2P	Circuit breaker 4EA
		ABS64c		SBE-102	ABN62c	2P (L 또는 R)	Circuit breaker 2EA
ABN104c	ABS62c	3P	Circuit breaker 6EA				
ABH104c	ABN102c	3P (L 또는 R)	Circuit breaker 3EA				
104	SBS-104	ABS104c	63	SEE-102	*2P ELCB release 2P MCCB, ELCB Same size (2024. 05)	L1N / L2N → L1/L2N L1NL2N → L1L2N In case of phase separation type N-duplicate notation is omitted	
ABH104c							
ABN204c							
ABS204c							
204	SBS-204	ABH 204c	64	SBS-53	ABN53c	 Patented technology applied Various models continue to be released	
		SES-53		EBS53c			
		SBE-103		ABN63c			
				ABS63c			
ABN103c							
EBN63c							
			204	SEE-103	EBS63c		
				EBN103c			
				SBS-54	ABN54c		
				SES-54	EBS54c		
			64	SBE-104	ABN64c		
					ABS64c		
					ABN104c		
					EBN64c		
			204	SEE-104	EBS64c		
				EBN104c			
				SBE-204	ABN204c		
				SBS-204	ABS204c		
			204	SEE-204	EBN204c		
				SES-204	EBS204c		

QB-64-64-64 → QB-64-64

If the left and right morphology is the same, duplicate notation will be omitted.

QB-64-64-64 → QB-64-64

If the left and right morphology is the same, duplicate notation will be omitted.

Item list

Main 52 series

1	QB-52-32
2	QB-52-32-3P
3	QB-52-52
4	QB-52-52/32

Main 62 series

5	QB-62-32
6	QB-62-32 L , R
7	QB-62-32-3P
8	QB-62-32-3P L , R
9	QB-62-52
10	QB-62-52 L , R
11	QB-62-52/32
12	QB-62-52-2P
13	QB-62-62/32
14	QB-62-62
15	QB-62-62-2P

Main 63 series

16	QB-63-32 (Phase combination order)
17	QB-63-32-3P
18	QB-63-52 (Phase combination order)
19	QB-63-53
20	QB-63-62 (Phase combination order)
21	QB-63-63

Main 103 series

22	QB-103-32 (Phase combination order)
23	QB-103-32-3P
24	QB-103-52 (Phase combination order)
25	QB-103-53
26	QB-103-62 (Phase combination order)

27	QB-103-63
28	QB-103-102 (Phase combination order)
29	QB-103-103

Main 64/104^(Common) series

* 104 series) Compatible with all 64 series products when using a 104 converter

30	QB-64-32(L1N) L , R	58	QB-64-53/32(L3N)
31	QB-64-32(L2N) L , R	59	QB-64-53/52(L1N)
32	QB-64-32(L3N) L , R	60	QB-64-53/52(L2N)
33	QB-64-32(L1/L2N)	61	QB-64-53/52(L3N)
34	QB-64-32(L2/L3N)	62	QB-64-53
35	QB-64-32(L1/L3N)	63	QB-64-53 L , R
36	QB-64-32-2P(L1L2N)	64	QB-64-53/62(L1N)
37	QB-64-32-2P(L2L3N)	65	QB-64-53/62(L2N)
38	QB-64-32-2P(L1L3N)	66	QB-64-53/62(L3N)
39	QB-64-32-3P	67	QB-64-62/32(L1N)
40	QB-64-32-3P L , R	68	QB-64-62/32(L2N)
41	QB-64-52/32(L1N)	69	QB-64-62/32(L3N)
42	QB-64-52/32(L2N)	70	QB-64-62(L1N)
43	QB-64-52/32(L3N)	71	QB-64-62(L2N)
44	QB-64-52(L1N)	72	QB-64-62(L3N)
45	QB-64-52(L2N)	73	QB-64-62(L1/L2N)
46	QB-64-52(L3N)	74	QB-64-62(L2/L3N)
47	QB-64-52(L1N) L , R	75	QB-64-62(L1/L3N)
48	QB-64-52(L2N) L , R	76	QB-64-63/32(L1N)
49	QB-64-52(L3N) L , R	77	QB-64-63/32(L2N)
50	QB-64-52(L1/L2N)	78	QB-64-63/32(L3N)
51	QB-64-52(L2/L3N)	79	QB-64-63/52(L1N)
52	QB-64-52(L1/L3N)	80	QB-64-63/52(L2N)
53	QB-64-52-2P(L1L2N)	81	QB-64-63/52(L3N)
54	QB-64-52-2P(L2L3N)	82	QB-64-63/53
55	QB-64-52-2P(L1L3N)	83	QB-64-63/62(L1N)
56	QB-64-53/32(L1N)	84	QB-64-63/62(L2N)
57	QB-64-53/32(L2N)	85	QB-64-63/62(L3N)
		86	QB-64-64/32(L1N)
		87	QB-64-64/32(L2N)
		88	QB-64-64/32(L3N)
		89	QB-64-64/32-2P(L1L2N)
		90	QB-64-64/32-2P(L2L3N)

91	QB-64-64/32-2P(L1L3N)	122	QB-203-63/53	153	QB-204-63/32(L3N)
92	QB-64-64/32-3P	123	QB-203-102(Phase combination order)	154	QB-204-63/52(L1N)
93	QB-64-64/52(L1N)	124	QB-203-103	155	QB-204-63/52(L2N)
94	QB-64-64/52(L2N)	125	QB-203-202(Phase combination order)	156	QB-204-63/52(L3N)
95	QB-64-64/52(L3N)	126	QB-203-203	157	QB-204-63/62(L1N)
96	QB-64-64/52-2P(L1L2N)	Main 204 series		158	QB-204-63/62(L2N)
97	QB-64-64/52-2P(L2L3N)			159	QB-204-63/62(L3N)
98	QB-64-64/52-2P(L1L3N)	127	QB-204-32(L1N)	160	QB-204-64/62(L1N)
99	QB-64-64/53	128	QB-204-32(L2N)	161	QB-204-64/62(L2N)
100	QB-64-64/62(L1N)	129	QB-204-32(L3N)	162	QB-204-64/62(L3N)
101	QB-64-64/62(L2N)	130	QB-204-32(L1/L2N)	163	QB-204-64/63
102	QB-64-64/62(L3N)	131	QB-204-32(L2/L3N)	164	QB-204-64 L , R
103	QB-64-64/63	132	QB-204-32(L1/L3N)	165	QB-204-102(L1N)
104	QB-64-64	133	QB-204-32-3P	166	QB-204-102(L2N)
105	QB-64-64 L , R	134	QB-204-52(L1N)	167	QB-204-102(L3N)
106	QB-104-104	135	QB-204-52(L2N)	168	QB-204-102(L1/L2N)
107	QB-104-103	136	QB-204-52(L3N)	169	QB-204-102(L2/L3N)
108	QB-104-102(L1N)	137	QB-204-52(L1/L2N)	170	QB-204-102(L1/L3N)
109	QB-104-102(L2N)	138	QB-204-52(L2/L3N)	171	QB-204-103
110	QB-104-102(L3N)	139	QB-204-52(L1/L3N)	172	QB-204-104
111	QB-104-102(L1/L2N)	140	QB-204-53	173	QB-204-203
112	QB-104-102(L2/L3N)	141	QB-204-62/32(L1N)	174	QB-204-204 L , R
113	QB-104-102(L1/L3N)	142	QB-204-62/32(L2N)		
		143	QB-204-62/32(L3N)		
		144	QB-204-62(L1N)		
		145	QB-204-62(L2N)		
		146	QB-204-62(L3N)		
		147	QB-204-62(L1/L2N)		
		148	QB-204-62(L2/L3N)		
		149	QB-204-62(L1/L3N)		
		150	QB-204-63		
		151	QB-204-63/32(L1N)		
		152	QB-204-63/32(L2N)		

Release is coming soon

Main 203 series

114	QB-203-32(Phase combination order)
115	QB-203-32-3P
116	QB-203-52(Phase combination order)
117	QB-203-53
118	QB-203-53/52(Phase combination order)
119	QB-203-62(Phase combination order)
120	QB-203-63
121	QB-203-63/52(Phase combination order)

Product List Main – Single Phase

QB 62

TYPE		S type		M type		L type	
product							
Branch breaker classification		Left	Right	Left	Right	Left	Right
Branch Breaker AF	32AF	32 (L)	32 (R)			32 3P (L)	32 3P (R)
	50AF	52 (L)	52 (R)			52 2P	52 2P
		52	32			-	-
	100AF	62	32			62 2P	62 2P
		62	62			-	-
Rated current (A), IEC 60439-1							
Main circuit breaker maximum current (A)		100A				100A	
Branch breaker maximum current (A) * Note1)	32AF	32A				32A	
	50AF	50A				50A	
	100AF	100A				100A	
Rated insulation voltage (Ui)		1,000V				1,000V	
External dimensions (W x H x D mm)	32AF	70 X 33 X 55				70 X 101 X 55	
	50AF	70 X 50 X 55				70 X 101 X 55	
	100AF	70 X 50 X 55				70 X 101 X 55	

* Note1) The maximum branch current follows the standards of each AF on the left and right.

* (L), (R) marked products are available with branch terminals on only one side. Example) QB-62-32L has only left terminals

QB 52

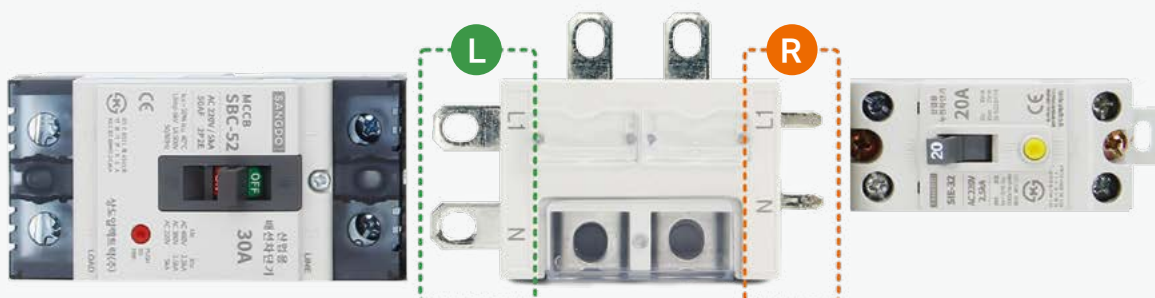
TYPE		S type		M type		L type	
product							
Branch breaker classification		Left	Right	Left	Right	Left	Right
Branch Breaker AF	32AF	32	32			32 3P	32 3P
	50AF	52	52			-	-
		52	32			-	-
Rated current (A), IEC 60439-1							
Main circuit breaker maximum current (A)		50A				50A	
Branch breaker maximum current (A) * Note1)	32AF	32A				32A	
	50AF	50A				-	
Rated insulation voltage (Ui)		1,000V				1,000V	
External dimensions (W x H x D mm)	32AF	70 X 33 X 55				70 X 101 X 55	
	50AF	70 X 50 X 55				-	

* Note1) The maximum branch current follows the standards of each AF on the left and right

Combination example

Product name | QB-52 - 52 / 32

TYPE		S type	
Branch breaker classification		Left	Right
AF	50AF	52	32



Product List Main – 3 Phase

QB 64/104(common use)

TYPE		S type		M type		L type	
product							
Branch breaker classification		Left	Right	Left	Right	Left	Right
Branch Breaker AF	32AF	32 (L)	32 (R)	–	–	32 3P (L)	32 3P (R)
		–	–	32 2P	32 2P	–	–
	50AF	52	32	53	32	52 2P	52 2P
		52 (L)	52 (R)	53	52	–	–
		–	–	53 (L)	53 (R)	–	–
	100AF	62	32	53	62	64	32
		62	62	63	32	64	32 2P
		–	–	63	52	64	32 3P
		–	–	63	53	64	52
		–	–	63	62	64	52 2P
		–	–	63	63	64	53
		–	–	–	–	64	62
		–	–	–	–	64	63
		–	–	–	–	64 (L)	64 (R)
	125AF	102	102	–	–	103	103
–		–	–	–	104	104	
Rated current (A), IEC 60439–1							
Main circuit breaker maximum current (A)		100A		100A		100A	
		125A * Note1)		125A * Note1)		125A * Note1)	
Branch breaker maximum current (A) * Note2)	32AF	32A		32A		32A	
	50AF	50A		50A		50A	
	100AF	100A		100A		100A	
	125AF	125A		125A		125A	
Rated insulation voltage (Ui)		1,000V		1,000V		1,000V	
External dimensions (W x H x D mm)	32AF	120 X 33 X 55		120 X 67 X 55		120 X 101 X 55	
	50AF	120 X 50 X 55		120 X 75 X 55		120 X 101 X 55	
	100AF	120 X 50 X 55		120 X 75 X 55		120 X 101 X 55	
	125AF	120 X 60 X 55		–		120 X 120 X 55	

* Note1) Maximum current (A) when using 104 converter

QB 204

TYPE		S type		M type		L type	
product							
Branch breaker classification		Left	Right	Left	Right	Left	Right
Branch Breaker AF	32AF	32	32	–	–	32 3P	32 3P
	50AF	52	52	53	53	–	–
	100AF	62	32	63	32	64	62
		62	62	63	52	64	63
		–	–	63	62	64 (L)	64 (R)
		–	–	63	63	–	–
	125AF	102	102	103	103	104	104
	250AF	–	–	203	203	–	–
	–	–	–	–	204 (L)	204 (R)	
Rated current (A), IEC 60439–1							
Main circuit breaker maximum current (A)		100A		100A		100A	
Branch breaker maximum current (A) * Note2)	32AF	32A		32A		32A	
	50AF	50A		50A		50A	
	100AF	100A		100A		100A	
	125AF	125A		125A		125A	
	250AF	–		250A		250A	
Rated insulation voltage (Ui)		1,000V		1,000V		1,000V	
External dimensions (W x H x D mm)	32AF	165 X 50 X 60		–		165 X 105 X 60	
	50AF	165 X 50 X 60		165 X 75 X 60		–	
	100AF	165 X 50 X 60		165 X 75 X 60		165 X 105 X 60	
	125AF	165 X 50 X 60		165 X 90 X 60		165 X 140 X 63	
	250AF	–		165 X 105 X 63		165 X 140 X 63	

* Note2) Products marked (L), (R) are available with branch terminals on only one side.

Example) QB-64-52 R has right-side terminal only.

Release is coming soon

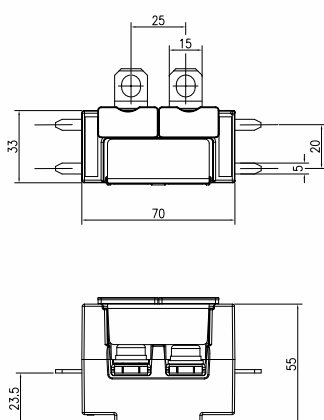
Quarterly Combination Table

Phase combination	32	32 2P	52	52 2P	62	102
L1N	0		0		0	0
L2N	0		0		0	0
L3N	0		0		0	0
L1/L2N (left/right)	0 * Note3)		0 * Note3)		0 * Note3)	0
L2/L3N (left/right)	0 * Note3)		0 * Note3)		0 * Note3)	0
L1/L3N (left/right)	0 * Note3)		0 * Note3)		0 * Note3)	0
L1L2N (upper/lower)		0		0		
L2L3N (upper/lower)		0		0		
L1L3N (upper/lower)		0		0		

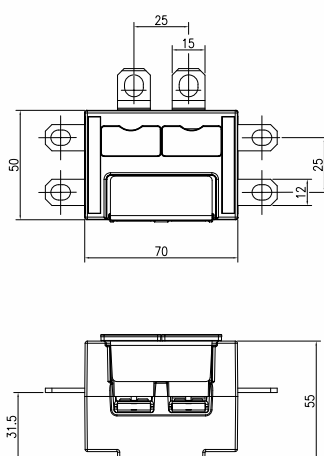
* Note3) Not applicable if the left and right branches are different. Ex) 52/32

Product List Main – Single Phase

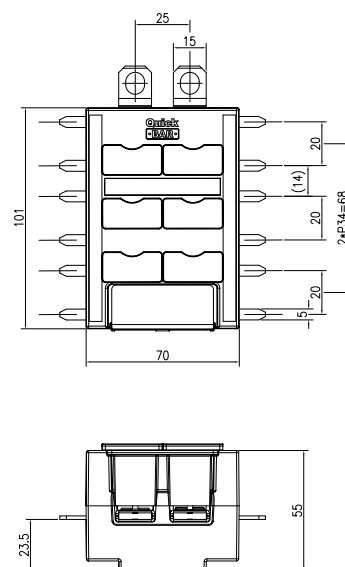
QB-52-32



QB-52-52



QB-52-32 3P



unit mm

TYPE		S type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32	32	1
	50AF	52	52	2
		52	32	3
TYPE		L type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32 3P	32 3P	4

TYPE		External dimensions (WxHxD)
S type	32AF	70 X 33 X 55
	50AF	70 X 50 X 55
L type	32AF	70 X 101 X 55
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		100A
Branch breaker maximum current (A)	32AF	32A
	50AF	50A
Rated insulation voltage (Ui)		1,000V



1 QB-52-32



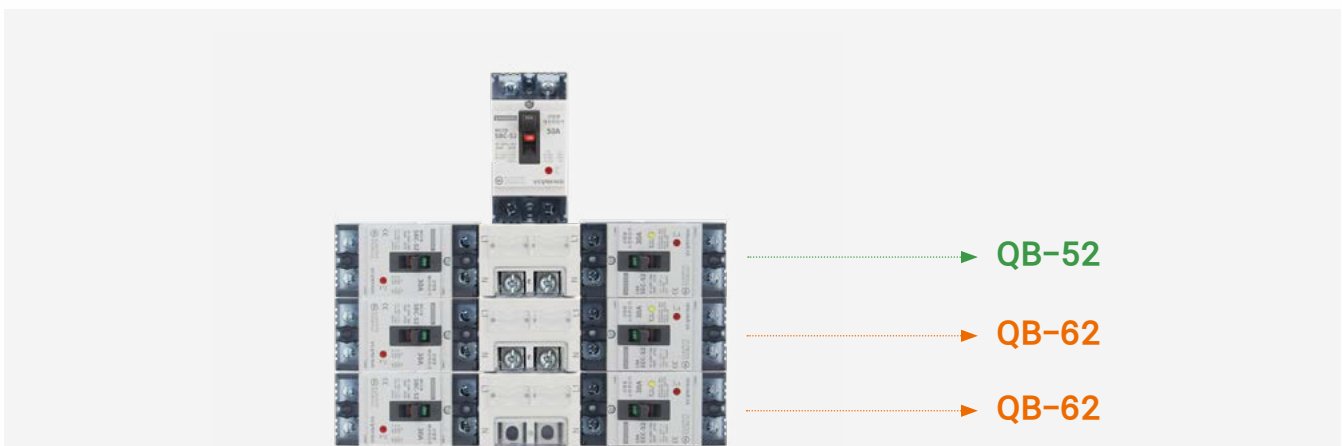
2 QB-52-52



3 QB-52-52/32

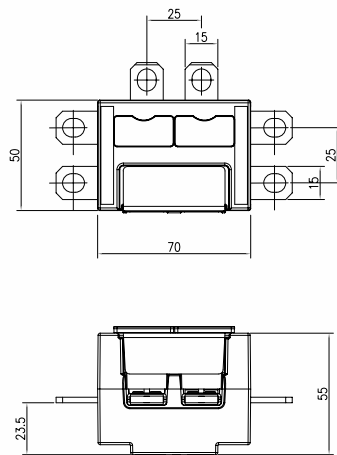
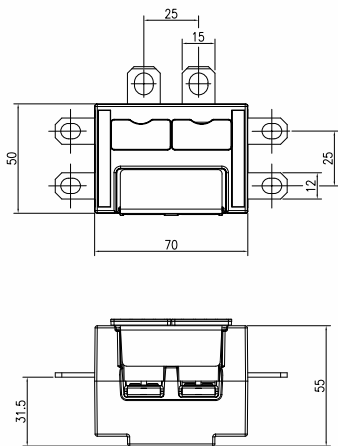
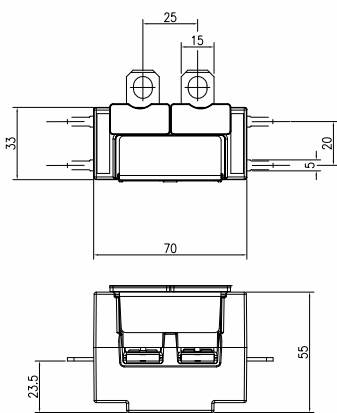


4 QB-52-32-3P



⚠ The expansion block of the QB-52 series uses the QB-62

Product List Main – Single Phase



TYPE		S type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32 (L)	32 (R)	1
	50AF	52 (L)	52 (R)	2
		52	32	3
	100AF	62	32	4
		62	62	5

unit mm

TYPE		External dimensions (WxHxD)
S type	32AF	70 X 33 X 55
	50AF	70 X 50 X 55
	100AF	70 X 50 X 55
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		100A
Branch breaker maximum current (A)	32AF	32A
	50AF	50A
	100AF	100A
Rated insulation voltage (Ui)		1,000V



1 QB-62-32
Derivative) L, R



2 QB-62-52
Derivative) L, R



3 QB-62-52/32



4 QB-62-62/32



5 QB-62-62



1* QB-62-32 L

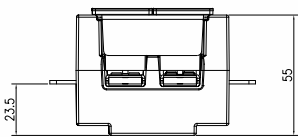
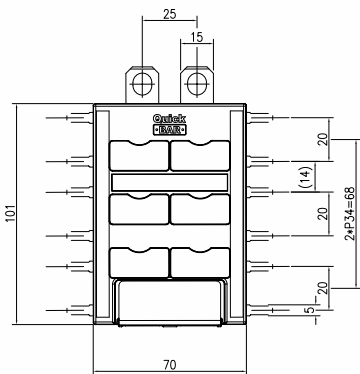


1* QB-62-32 R

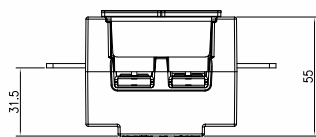
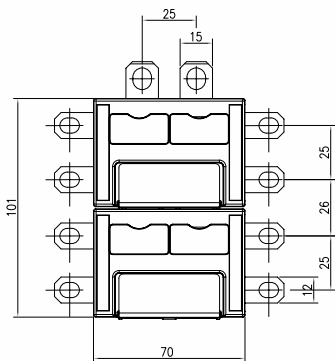
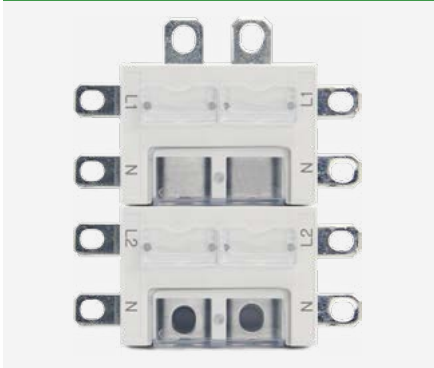
* (L), (R) marked products have branch terminals on either the left or right side only.

Product List Main – Single Phase

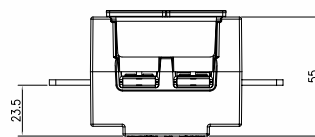
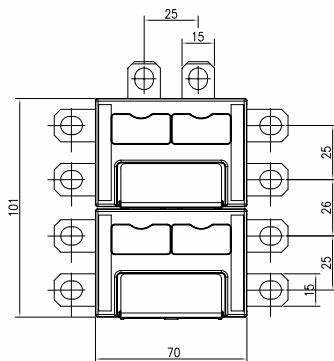
QB-62-32 3P



QB-62-52 2P



QB-62-62 2P



unit mm

TYPE		L type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32 3P (L)	32 3P (R)	1
	50AF	52 2P	52 2P	2
	100AF	62 2P	62 2P	3

TYPE		External dimensions (WxHxD)
L type	32AF	70 X 101 X 55
	50AF	70 X 101 X 55
	100AF	70 X 101 X 55
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		100A
Branch breaker maximum current (A)	32AF	32A
	50AF	50A
	100AF	100A
Rated insulation voltage (Ui)		1,000V



1 QB-62-32 3P
Derivative) L, R



2 QB-62-52 2P



3 QB-62-62 2P



1* QB-62-32 3P L



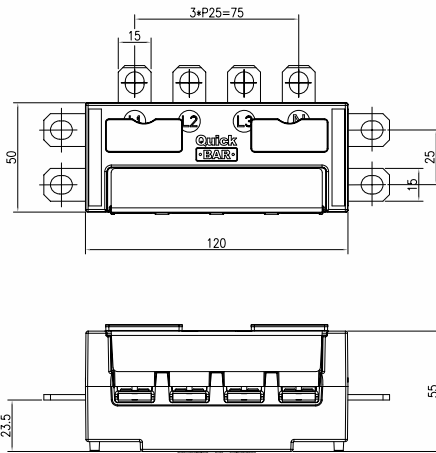
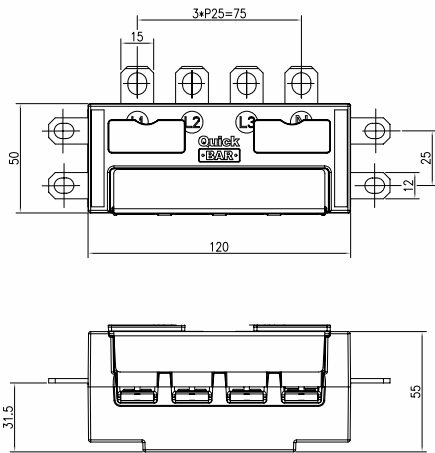
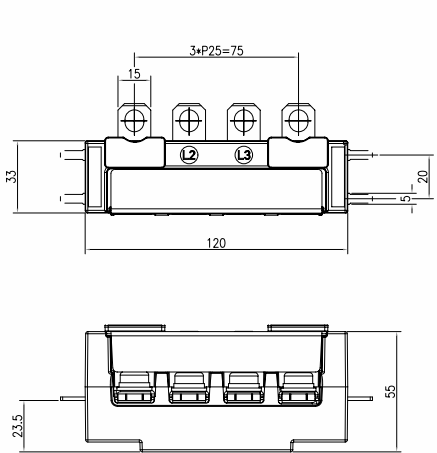
1* QB-62-32 3P R

* (L), (R) marked products have branch terminals on either the left or right side only.

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Product List Main – 3 Phase



TYPE		S type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32	32	1
	50AF	52	32	2
		52 (L)	52 (R)	3
	100AF	62	32	4
		62	62	5
	125AF	102	102	

unit mm

TYPE		External dimensions (WxHxD)
S type	32AF	120 X 33 X 55
	50AF	120 X 50 X 55
	100AF	120 X 50 X 55
	125AF	120 X 60 X 55
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		100A(125A) * Note1)
Branch breaker maximum current (A)	32AF	32A
	50AF	50A
	100AF	100A
	125AF	125A
Rated insulation voltage (Ui)		1,000V

* Note 1) Maximum current (A) when using 104 converter



1 QB-64-32
Derivative) L1N, L2N, L3N,
L1/L2N, L2/L3N, L1/L3N



2 QB-64-52/32
Derivative) L1N, L2N, L3N



3 QB-64-52
Derivative) L, R, L1N, L2N, L3N,
L1/L2N, L2/L3N, L1/L3N



4 QB-64-62/32
Derivative) L1N, L2N, L3N



5 QB-64-62
Derivative) L1N, L2N, L3N,
L1/L2N, L2/L3N, L1/L3N

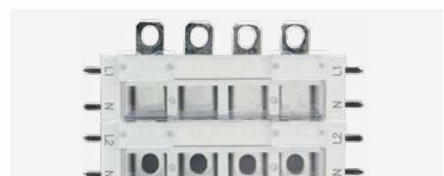
✓ You can combine branches with derivatives



(L1N)



(L1/L2N)



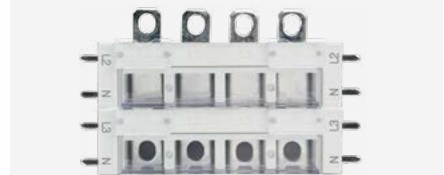
(L1L2N)



(L2N)



(L2/L3N)



(L2L3N)



(L3N)

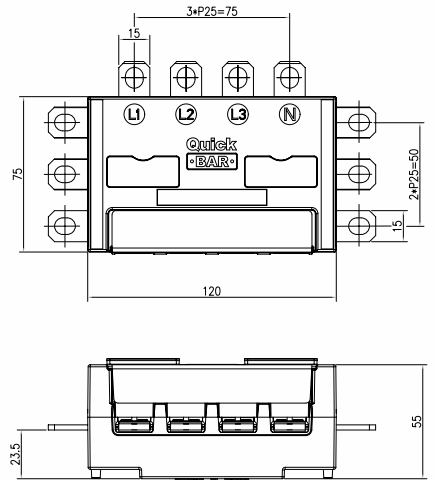
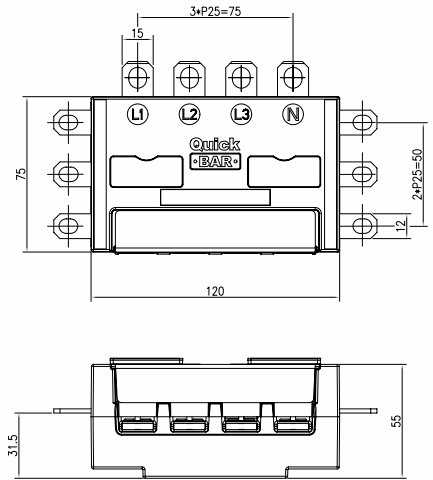
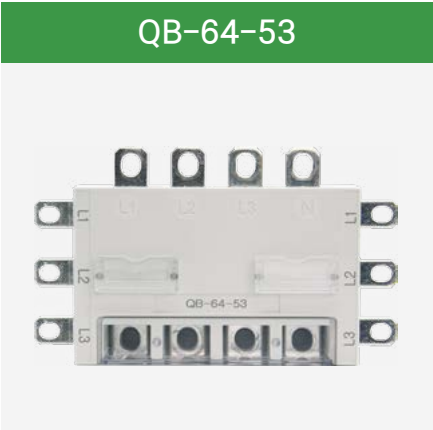
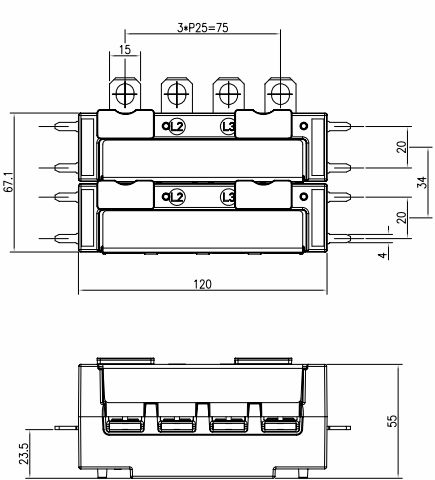


(L1/L3N)



(L1L3N)

Product List Main – 3 Phase



unit mm

TYPE		M type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32 2P	32 2P	1
	50AF	53	32	2
		53	52	3
		53 (L)	53 (R)	4
	100AF	53	62	5
		63	32	6
		63	52	7
		63	53	8
		63	62	9
		63	63	10

TYPE		External dimensions (WxHxD)
M type	32AF	120 X 67 X 55
	50AF	120 X 75 X 55
	100AF	120 X 75 X 55
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		100A
Branch breaker maximum current (A)	32AF	32A
	50AF	50A
	100AF	100A
Rated insulation voltage (Ui)		1,000V



1 **QB-64-32 2P**
Derivative) L1L2N, L2L3N, L1L3N



2 **QB-64-53/32**
Derivative) L1N, L2N, L3N



3 **QB-64-53/52**
Derivative) L1N, L2N, L3N



4 **QB-64-53**
Derivative) L, R



5 **QB-64-53/62**
Derivative) L1N, L2N, L3N



6 **QB-64-63/32**
Derivative) L1N, L2N, L3N



7 **QB-64-63/52**
Derivative) L1N, L2N, L3N



8 **QB-64-63/53**



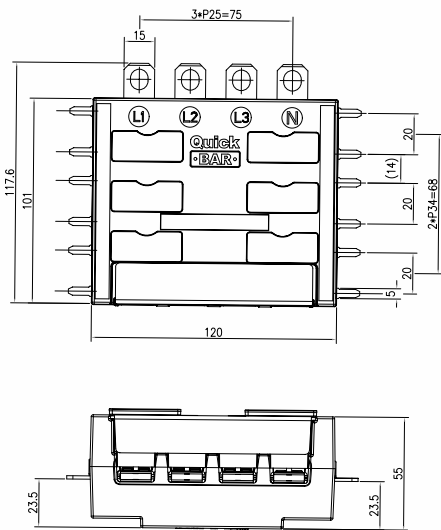
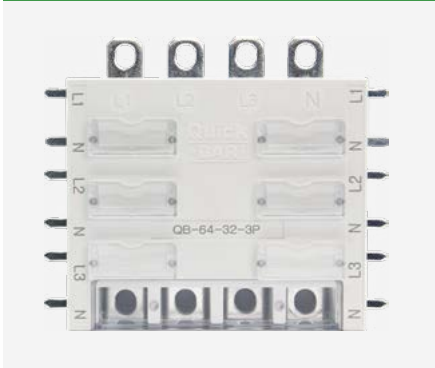
9 **QB-64-63/62**
Derivative) L1N, L2N, L3N



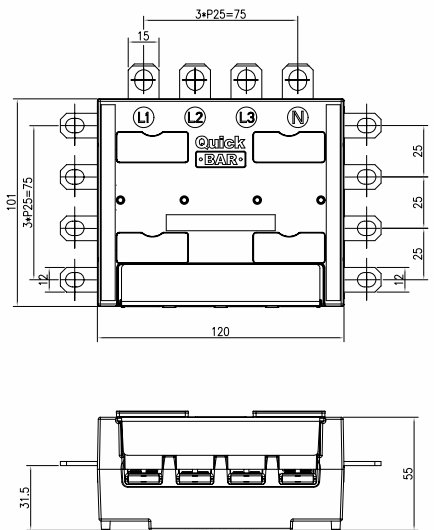
10 **QB-64-63**

Product List Main – 3 Phase

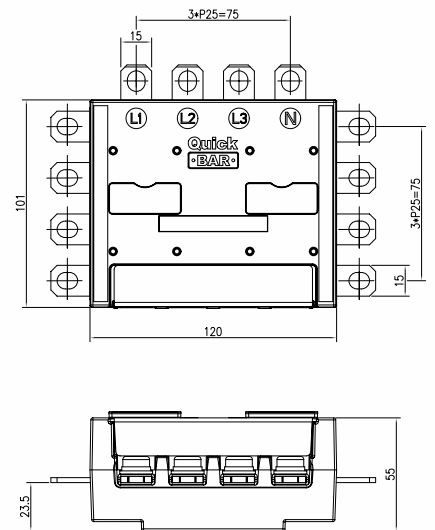
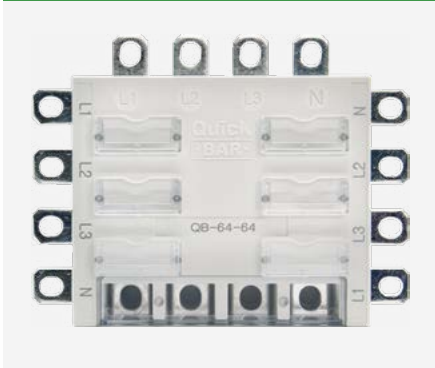
QB-64-32 3P



QB-64-52 2P



QB-64-64



unit mm

TYPE		L type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32 3P (L)	32 3P (R)	1
	50AF	52 2P	52 2P	2
	100AF	64	32	3
		64	32 2P	4
		64	32 3P	5
		64	52	6
		64	52 2P	7
		64	53	8
		64	62	9
		64	63	10
		64 (L)	64 (R)	11
	125AF	103	103	
		104	104	

TYPE		External dimensions (WxHxD)
L type	32AF	120 X 101 X 55
	50AF	120 X 101 X 55
	100AF	120 X 101 X 55
	125AF	120 X 120 X 55
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		100A(125A) * Note1)
Branch breaker maximum current (A)	32AF	32A
	50AF	50A
	100AF	100A
	125AF	125A
Rated insulation voltage (Ui)		1,000V

* Note 1) Maximum current (A) when using 104 converter



1 **QB-64-32 3P**
Derivative) L, R



2 **QB-64-52 2P**
Derivative) L1L2N, L2L3N, L1L3N



3 **QB-64-64/32**
Derivative) L1N, L2N, L3N



4 **QB-64-64/32 2P**
Derivative) L1L2N, L2L3N, L1L3N



5 **QB-64-64/32 3P**



6 **QB-64-64/52**
Derivative) L1N, L2N, L3N



7 **QB-64-64/52 2P**
Derivative) L1L2N, L2L3N, L1L3N



8 **QB-64-64/53**



9 **QB-64-64/62**
Derivative) L1N, L2N, L3N

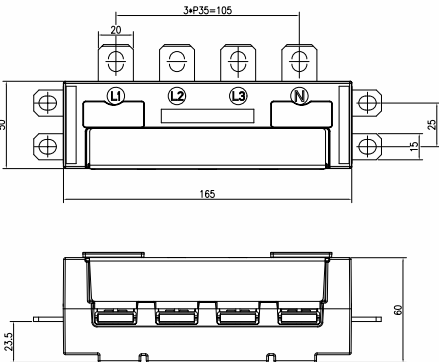
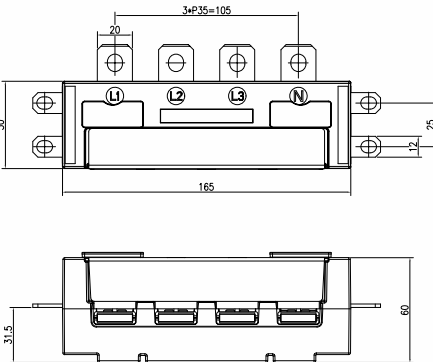
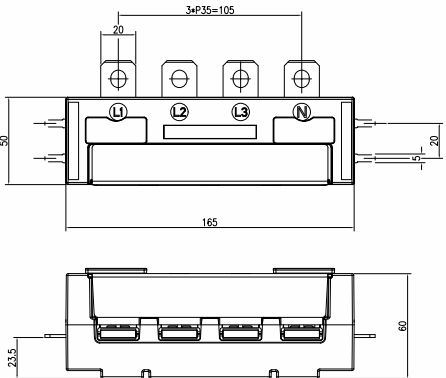


10 **QB-64-64/63**



11 **QB-64-64**
Derivative) L, R

Product List Main – 3 Phase



TYPE		S type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32	32	1
	50AF	52	52	2
	100AF	62	32	3
		62	62	4
	125AF	102	102	5

Release is coming soon

unit mm

TYPE		External dimensions (WxHxD)
S type	32AF	165 X 50 X 60
	50AF	165 X 50 X 60
	100AF	165 X 50 X 60
	125AF	165 X 90 X 60
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		250A
Branch breaker maximum current (A)	32AF	32A
	50AF	50A
	100AF	100A
	125AF	125A
Rated insulation voltage (Ui)		1,000V



1 QB-204-32
Derivative) L1N, L2N, L3N,
L1/L2N, L2/L3N, L1/L3N



2 QB-204-52
Derivative) L1N, L2N, L3N,
L1/L2N, L2/L3N, L1/L3N



3 QB-204-62/32
Derivative) L1N, L2N, L3N

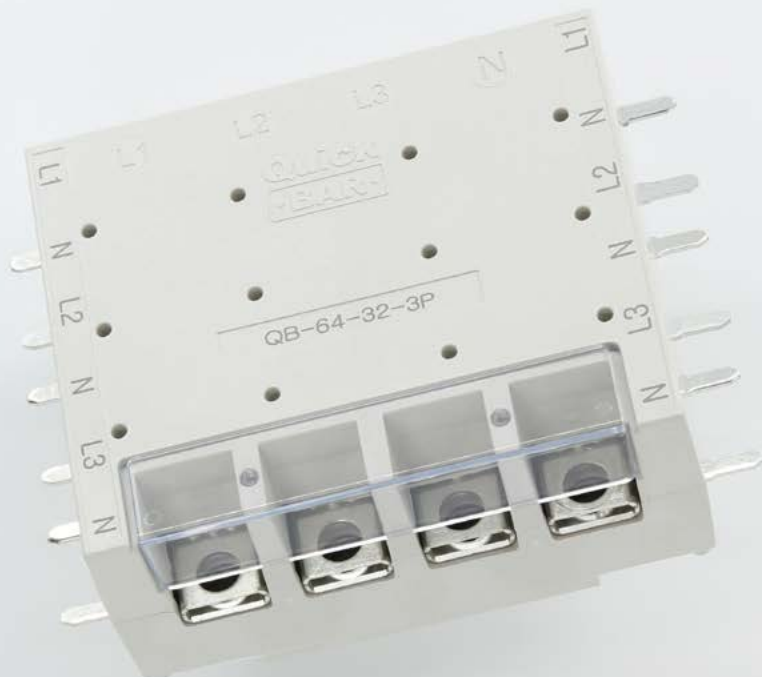


4 QB-204-62
Derivative) L1N, L2N, L3N,
L1/L2N, L2/L3N, L1/L3N

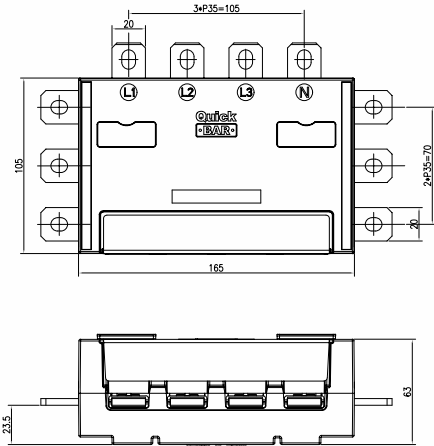
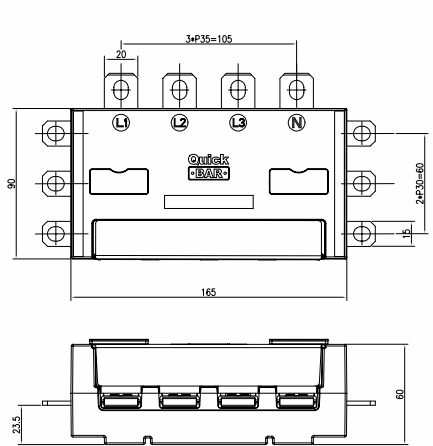
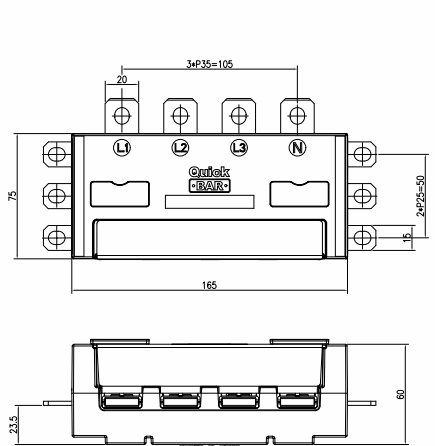


5 QB-204-102
Derivative) L1N, L2N, L3N,
L1/L2N, L2/L3N, L1/L3N

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Product List Main – 3 Phase



unit mm

TYPE		M type		
Branch breaker classification		Left	Right	
Branch Breaker AF	50AF	53	53	1
	100AF	63	32	2
		63	52	3
		63	62	4
		63	63	5
	125AF	103	103	6
	250AF	203	203	7

Release is coming soon

TYPE		External dimensions (WxHxD)
M type	50AF	165 X 75 X 60
	100AF	165 X 75 X 60
	125AF	165 X 90 X 60
	250AF	165 X 105 X 63
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		250A
Branch breaker maximum current (A)	50AF	50A
	100AF	100A
	125AF	125A
	250AF	250A
Rated insulation voltage (Ui)		1,000V



1 **QB-204-53**



2 **QB-204-63/32**
Derivative) L1N, L2N, L3N



3 **QB-204-63/52**
Derivative) L1L2N, L2L3N, L1L3N



4 **QB-204-63/62**
Derivative) L1N, L2N, L3N



5 **QB-204-63**

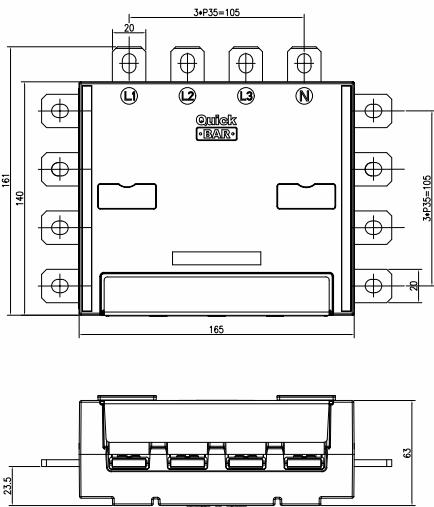
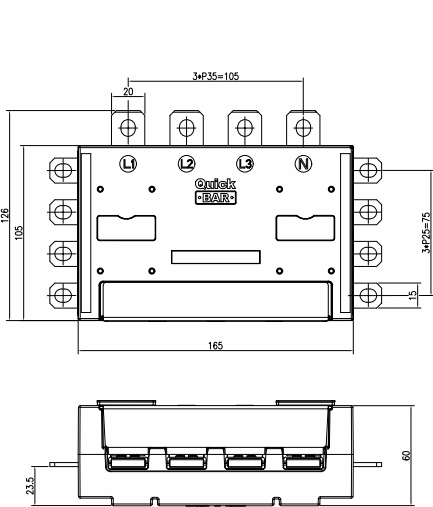
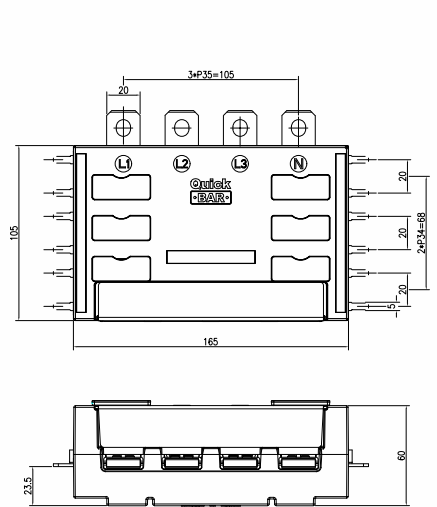


6 **QB-204-103**



7 **QB-204-203**

Product List Main – 3 Phase



unit mm

TYPE		L type		
Branch breaker classification		Left	Right	
Branch Breaker AF	32AF	32 3P	32 3P	1
	100AF	64	62	2
		64	63	3
		64	64	4
	125AF	104	104	5
	250AF	204	204	6

Release is coming soon

TYPE		External dimensions (WxHxD)
L type	32AF	165 X 105 X 60
	100AF	165 X 105 X 60
	125AF	165 X 140 X 63
	250AF	165 X 140 X 63
Rated current (A), IEC 60439-1		
Main circuit breaker maximum current (A)		250A
Branch breaker maximum current (A)	32AF	32A
	100AF	100A
	125AF	125A
	250AF	250A
Rated insulation voltage (Ui)		1,000V



1 QB-204-32 3P



2 QB-204-64/62
Derivative) L1N, L2N, L3N



3 QB-204-64/63



4 QB-204-64



5 QB-204-104



6 QB-204-204

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Certified test report

KTC
Korea Testing Certification Institute
문서관리번호 : VJUG-3RPQ-MNAN

시험 성적서

성적서 번호 : GT2022-15551
회사명 : 상도일렉트릭 주식회사
대표자 : 박재현
주소 : 경기도 파주시 월롱면 한태말길 214

1. 시험명 : 학바 분전반
- 규격 및 형식 : 4P, AC 460 V, 100 A, 14 kA / QB-64-64
2. 성적서의 용도 : 품질관리용
3. 접수일자 : 2022년 07월 29일
4. 시험일자 : 2022년 08월 11일 ~ 2022년 08월 12일
5. 시험방법 : 의뢰자 제시규격
6. 시험결과 : 불임 참조

시험자 : 임홍성 임홍상 승인자 : 윤준경 **윤준경**

2022년 08월 16일

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TEL : 043-299-6660 FAX : 043-267-7314

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Quickbar 64-64
(Temperature Rise and Voltage Withstanding)

KTC
Korea Testing Certification Institute
문서관리번호 : RUZY-6ACB-JGBM

시험 성적서

성적서 번호 : GT2022-15552
회사명 : 상도일렉트릭 주식회사
대표자 : 박재현
주소 : 경기도 파주시 월롱면 한태말길 214

1. 시험명 : 학바 분전반
- 규격 및 형식 : 4P, AC 460 V, 100 A, 14 kA / QB-64-32
2. 성적서의 용도 : 품질관리용
3. 접수일자 : 2022년 07월 29일
4. 시험일자 : 2022년 08월 11일 ~ 2022년 08월 12일
5. 시험방법 : 의뢰자 제시규격
6. 시험결과 : 불임 참조

시험자 : 임홍성 임홍상 승인자 : 윤준경 **윤준경**

2022년 08월 16일

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Quickbar 64-32
(Temperature Rise and Voltage Withstanding)

KTC
Korea Testing Certification Institute
문서관리번호 : ST11-COVX-MJ22

시험 성적서

성적서 번호 : GT2024-00271
회사명 : 상도일렉트릭 주식회사
대표자 : 박재현
주소 : 경기도 파주시 월롱면 한태말길 214

1. 시험명 : 학바 분전반
- 규격 및 형식 : 4P, AC 460 V, 125 A / QB-104-CONVERTER
2. 성적서의 용도 : 품질관리용
3. 접수일자 : 2024년 01월 09일
4. 시험일자 : 2024년 01월 09일 ~ 2024년 01월 10일
5. 시험방법 : 의뢰자 제시 규격
6. 시험결과 : 시험결과 참조

시험자 : 임홍성 임홍상 승인자 : 최경하 **최경하**

2024년 01월 10일

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Quickbar converter temperature rise test report

KTC
Korea Testing Certification Institute

시험 결과

성적서 번호 : GT2024-00271

(a) 온도상승(22단자 결합형)

(b) 온도상승(32단자 결합형)

그림 4. 시험 사진

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Quickbar converter temperature rise test report

patent



Patent (Power distribution device for distribution board)



Patent (Power distribution device for distribution board)



Japanese trademark application



Trademark registration certificate



Design registration certificate

Overseas patent and trademark registration (14 countries including the US, Japan, and China)



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It's different when Sangdo makes it.
What we are creating is a safe world

