

Distribution Board Formula Version

ABB's series of standard distribution boards have been designed to make it easy for you to achieve cost-effective and safe electrical installations in apartments, single-family house, commercial, industrial and public sector structures.



ABB offers a range of consumer units and distribution boards for the installation of modular components that enables to implement any type of application for power distribution in the residential and commercial buildings operating under the highest safety conditions and with significant savings of time.

The new distribution boards – FORMULA series are designed for easy installation with optimal safety according to IEC60439-1.



New Molded Case - FORMULA Series

Specifications

Standard	: IEC60439-1
Rated Voltage	: 240/415V 50Hz
Rated Main Busbar	: 200A and 250A Maximum
Rated Neutral Terminal Main Incoming	: 100% Rated Main Busbar
	: Circuit Breaker ABB SACE A1**, A2* or Cable Lug
Rate Outgoing	: 63A Maximum
No. of Circuit	: 12**, 24, 36, 48
Neutral Terminal Capacity	: Incoming up to 120mm ² Outgoing up to 16mm ²
Ground Terminal Capacity	: Incoming up to 120mm ² Outgoing up to 16mm ²
Panel board structure & Cover formed Alzn sheet steel	
Busbar	: Phase sequence type, Bolt on
Degree of protection	: IP40
Color	: RAL 7035 (Textile), Epoxy Polyester Powder Paint Coat
Insulator	: Glow-wire test passed at 960 °C
	: Cover Main Busbar and all Branches Circuit

*specification of 250A Main Busbar only

**specification of 200A Main Busbar only



Distribution Board with Main Circuit Breaker *

	No. of Circuit	Order Code	Main MCCB	Interrupting Capacity (IEC 60947-2)		Dimension W x L x H	Weight (Kgs.)	
				380VAC	415VAC			
Maximum rated main busbar	200A	12	DB12MC200 Formula	A1A(15-125A)	10 kA	10 kA	430 x 650 x 130	14.50
		24	DB24MC200 Formula	A1B(15-125A)	18 kA	18 kA	430 x 750 x 130	16.00
		36	DB36MC200 Formula	A1C(15-125A)	25 kA	25 kA	430 x 850 x 130	17.75
		48	DB48MC200 Formula	A1N(15-125A)	36 kA	30 kA	430 x 950 x 130	21.00
	250A	24	DB24MC250 Formula	A2B(125-250A)	18 kA		430 x 750 x 130	16.25
		36	DB36MC250 Formula	A2C(125-250A)	25 kA		430 x 850 x 130	17.75
		48	DB48MC250 Formula	A2N(125-250A)	36 kA		430 x 950 x 130	21.00

* Use same Branch MCB as Distribution Board with Main Lug

Distribution Board with Main Lug

	No. of Circuit	Order Code	Branch MCB	Dimension W x L x H	Weight (Kgs.)	
Maximum rated main busbar	200A	12	DB12CL200 Formula	SH200 (6-40A), 6kA S200 (50-63A), 6kA S200M (6-63A), 10kA	430 x 450 x 130	10.50
		24	DB24CL200 Formula		430 x 550 x 130	12.30
		36	DB36CL200 Formula		430 x 750 x 130	16.25
		48	DB48CL200 Formula		430 x 850 x 130	19.00
	250A	24	DB24CL250 Formula		430 x 550 x 130	12.30
		36	DB36CL250 Formula		430 x 750 x 130	16.25
		48	DB48CL250 Formula		430 x 850 x 130	19.00

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