

# Distribution Board

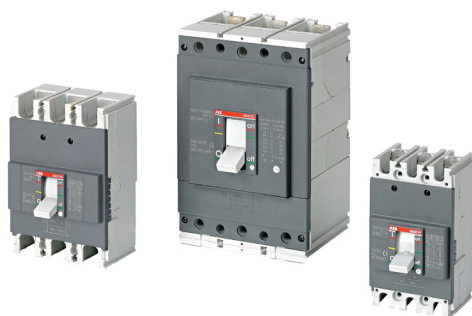
## Formula Version



**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

|                                                                  |                                                                                         |
|------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <b>Standard</b>                                                  | : IEC61439-1                                                                            |
| <b>Rated Voltage</b>                                             | : 240/415V 50Hz                                                                         |
| <b>Rated Main Busbar</b>                                         | : 200A and 250A Maximum                                                                 |
| <b>Rated Neutral Terminal Main Incoming</b>                      | : 100% Rated Main Busbar<br>: Circuit Breaker ABB SACE<br>A1**, A2* or Cable Lug        |
| <b>Rate Outgoing</b>                                             | : 100A Maximum                                                                          |
| <b>No. of Circuit</b>                                            | : 12**, 24, 36, 48                                                                      |
| <b>Neutral Terminal Capacity</b>                                 | : Incoming up to 120mm <sup>2</sup><br>Outgoing up to 16mm <sup>2</sup>                 |
| <b>Ground Terminal Capacity</b>                                  | : Incoming up to 120mm <sup>2</sup><br>Outgoing up to 16mm <sup>2</sup>                 |
| <b>Panel board structure &amp; Cover formed Alzn sheet steel</b> |                                                                                         |
| <b>Busbar</b>                                                    | : Phase sequence type,<br>Bolt on                                                       |
| <b>Degree of protection</b>                                      | : IP40                                                                                  |
| <b>Color</b>                                                     | : RAL 7035 (Textile),<br>Epoxy Polyester Powder<br>Paint Coat                           |
| <b>Insulator</b>                                                 | : Glow-wire test passed<br>at 960 °C<br>: Cover Main Busbar and<br>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 (6-63A), 6kA<br>S200 (6-100A), 6kA<br>S200M (6-63A), 10kA<br>S200P (6-63A), 25kA*<br>DSE201 (6-50A), 6kA<br>DSE201M (6-50A), 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         |

\* Icu = 25kA up to Rated Current 25A  
15kA from Rated Current 32-63A

#### ABB Limited

161/1 SG Tower, 1st-4th Floor,  
Soi Mahadlekluang 3, Rajdamri Road,  
Lumpini, Pathumwan, Bangkok  
10330. THAILAND  
Phone: +662 6651000  
Telefax: +662 6651043

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