**Usage and its scope of application**

RDX6-63/DC MCB is suitable for the DC distribution circuit of AC 50/60Hz, rated voltage up to 400V, rated current up to 63A, rated short-circuit breaking capacity does not exceed 6000A, as the use of circuit's infrequently connecting, breaking and switching, with the functions of over-load, short-circuit protection. Meanwhile, it has strong auxiliary function modules, such as auxiliary contacts, contacts with alarming indication, shunt releasing, under-voltage releasing, and remote release control etc. modules.

This product confirms to GB10963.1 and IEC60898-1 standards.

**Model and its implication**

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RD X 6- 63/DC
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- DC code
- Rated current (A)
- Design serial No.
- MCB
- Enterprise code

**Normal operating condition and installation condition**

3.1 Ambient temperature: -5°C~+40°C, average temperature within 24h does not exceed +35°C;
3.2 Altitude of installation place: does not exceed 2000m;
3.3 Relative humidity does not exceed 50% when it is at highest temperature of +40°C, and it is allowed relatively high relative humidity when it is at relatively low temperature, for example, it reaches 90% when it is at 20°C. It should take measurements when there occurred condensation on the product due to the temperature variation.
3.4 Grade of pollution: 2
3.5 Installation condition: it should be installed at the places of without obvious impact and vibration as well as the medium without danger (explosion).
3.6 Installation mode: adopts TH35-7.5 installation rail
3.7 Installation category: II, III

**Classification**

4.1 Number of pole: 1P, 2P
4.2 Releasing characteristics: C type
4.3 Rated current: 1, 3, 6, 10, 16, 20, 25, 32, 40, 50, 63A
4.4 Rated operating voltage: 220V/440V
Main technique parameter

5.1 Over-current releasing characteristics should confirm to table 1 when the circuit breaker is at normal installation condition and basic temperature of 30-35°C.

<table>
<thead>
<tr>
<th>No.</th>
<th>Releasing type</th>
<th>Rated current A</th>
<th>Testing current A</th>
<th>Setting time</th>
<th>Predict results</th>
<th>Initial status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>C</td>
<td>All value</td>
<td>1.13In</td>
<td>t ≤ 1h</td>
<td>Not releasing</td>
<td>Cool status</td>
</tr>
<tr>
<td>2</td>
<td>C</td>
<td>All value</td>
<td>1.45In</td>
<td>t &lt; 1h</td>
<td>Releasing</td>
<td>Followed after test No. 1</td>
</tr>
<tr>
<td>3</td>
<td>C</td>
<td>≤ 32A</td>
<td>2.55In</td>
<td>1s &lt; t &lt; 60s</td>
<td>Releasing</td>
<td>Cool status</td>
</tr>
<tr>
<td></td>
<td></td>
<td>32A &lt; In ≤ 63A</td>
<td></td>
<td>t &lt; 120s</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>C</td>
<td>All value</td>
<td>5ln(AC), 7ln(DC)</td>
<td>t ≤ 0.1s</td>
<td>Not releasing</td>
<td>Cool status</td>
</tr>
<tr>
<td>5</td>
<td>C</td>
<td>All value</td>
<td>10ln(AC), 15ln(DC)</td>
<td>t &lt; 0.1s</td>
<td>Releasing</td>
<td>Cool status</td>
</tr>
</tbody>
</table>

External and installation dimension

Ordering Notice

It required to be noted:
1) Model and specification, for example, RDX6-63/DC MCB
2) Number of pole, for example, 2P
3) Rated current, for example, 25A
4) Releasing type, for example, C type
5) Ordering quantity, for example, 1000 pcs

For example, RDX6-63/DC, 2P, C40, 1000pcs for ordering RDX6-63, the rated current is 40A, 2P, C type, and the quantity is 1000 pcs.