DRIESCHER
Low voltage - switchgear
Motor Control Center MCC

- tested for resistance to accidental arcing IEC 61641
- IEC 61439-1/2 tested

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DRIESCHER - Low voltage - Motor Control Center MCC

Technical data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree of protection acc. to DIN EN 60529</td>
<td>up to IP 5X</td>
</tr>
<tr>
<td>Overvoltage category</td>
<td>III</td>
</tr>
<tr>
<td>Degree of pollution</td>
<td>3</td>
</tr>
<tr>
<td>Serperation acc. to IEC 61439-2</td>
<td>part 1 - 4b</td>
</tr>
<tr>
<td>Rated impulse withstand voltage ( U_{imp} )</td>
<td>1 earthed</td>
</tr>
<tr>
<td>Rated current ( I_n )</td>
<td>up to 5000 A</td>
</tr>
<tr>
<td>Rated voltage ( U_e )</td>
<td>up to 690 V</td>
</tr>
<tr>
<td>Rated insulation voltage ( U_i )</td>
<td>1000 V</td>
</tr>
<tr>
<td>Rated peak withstand current resistance ( I_{pk} )</td>
<td>330 kA</td>
</tr>
<tr>
<td>Rated short-time current resistance ( I_{cw} )</td>
<td>150 kA / 1s</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-5° C up to +55° C</td>
</tr>
<tr>
<td>Ambient temperature (average value 24h)</td>
<td>35° C</td>
</tr>
</tbody>
</table>

Withdrawable unit types

**Full withdrawable unit:**
Safe connection with ease of use:
- all switching operations can only be operated, when door is closed
- the respective compartment door is only in disconnected position opening
- all withdrawable units are only in disconnected position removeable
- disconnection contact for incoming and outgoing circuits on both sides
- maloperation by use of guide frame coding impossible
- all withdrawable units can be exchanged while the switchgear is live
- coloured display indicates the switching status - red = operating position, green = disconnected position, blue = test position
- control connector adapts to changing needs: up to 40-poles, with additional bus contacting
- consistent operating with one universal operator lever

**Minature withdrawable unit:**
Compact withdrawable units up to 11 kW or 32 A:
- the operating and interlocking elements are the same as for full withdrawable units
- mechanical operating, test and disconnected position
- main switch with motor switching capacity, lockable
- consistent operating with one universal operator lever
Special features:
DRIESCHER Motor Control Center MCC according the latest regulations.

- type tested acc. to IEC 61439-1/2
- simple and universal operation for all withdrawable units
- maloperation by use of guide frame coding impossible
- operating positon, test position, disconnecting position
- up to 5000 A
- different withdrawable units
- best quality and highest personnel and operating safety
- highest safety from the effects of arcing fault
- protection class up to IP 5x
- short delivery times because of the flexibility of the modular system
- all panels are mounted and wired in the factory and delivered ready for connection

Panel types:
1. Incoming feeder panel: Circuit-breaker in withdrawable-unit design or fixed-mounted (in mm)

<table>
<thead>
<tr>
<th>Components (3-pole)</th>
<th>panel width</th>
<th>max. configuration width</th>
<th>possible panel depth</th>
<th>possible panel height</th>
</tr>
</thead>
<tbody>
<tr>
<td>on request</td>
<td>400</td>
<td>335</td>
<td>425, 625, 825, 1025</td>
<td>2000, 2200</td>
</tr>
<tr>
<td>ABB E1, 3WL BG1, Schneider NT16, more on request</td>
<td>500</td>
<td>435</td>
<td>425, 625, 825, 1025</td>
<td>2000, 2200</td>
</tr>
<tr>
<td>ABB E3, 3WL BG2, Schneider NW40, more on request</td>
<td>600</td>
<td>535</td>
<td>425, 625, 825, 1025</td>
<td>2000, 2200</td>
</tr>
<tr>
<td>ABB E4, 3WL BG3, Schneider NW40, more on request</td>
<td>850</td>
<td>785</td>
<td>425, 625, 825, 1025</td>
<td>2000, 2200</td>
</tr>
<tr>
<td>ABB E6, 3WL BG3, Schneider NW40, more on request</td>
<td>1000</td>
<td>935</td>
<td>425, 625, 825, 1025</td>
<td>2000, 2200</td>
</tr>
<tr>
<td>on request</td>
<td>1200</td>
<td>1135</td>
<td>425, 625, 825, 1025</td>
<td>2000, 2200</td>
</tr>
</tbody>
</table>

2. Multifunctional feeder panel: with withdrawable-unit design for motor starters and power feeder

- all full withdrawable units in separated compartments with separated doors
- up to four miniature withdrawable units per compartment
- PE-, N-, PEN busbar
- cable compartment 400 mm / 600 mm width
- cable entry point from top and bottom possible
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Motor Control Center MCC

- Full withdrawable unit, available in different dimensions
- Withdrawable unit, coloured display indicates switching status
- Hinge 180° with locking for the mounting of the door (electric arc safe)
- 25-mm- and 12.5-mm perforation in all frame profiles
- Miniature withdrawable unit, up to four withdrawable units per compartment
- Guide frame coding - to prevent exchange of the withdrawable units
- Lower shelf, support for circuit breaker, support for bus bar support and door stop in one
- Expanded metal cover (0.9mm), protection class IP4x

Dimensions, weights, diagrams and descriptions in this brochure are non-binding. Subject to change without notice.