Eaton – convincing in terms of safety, performance and operational availability.

IZMX16



Side by Side –

1 xEnergy field with two parallel circuit breakers

If the power distribution location is limited, or an automatic switchover is required, or a compact solution is simply desired, Eaton is now offering an outstanding solution for panel builders: xEnergy switchgear systems with two IZMX16 adjacent open circuit breakers or, alternatively, two NZM3 or NZM4 compact circuit breakers.

The result is equipment cabinets that meet all requirements: They ensure utmost plant safety and personnel protection as well as perfect space utilisation at a lower cost, while at the same time providing you with plenty of opportunities in system execution, even for complex requirements.

Optimum space utilisation
Through rotating assembly plates, space can be utilised for additional electrical devices. Thus, during assembly, easy access to the connecting links of the main busbars and, as a result, for subsequent servicing purposes, is obtained. The low-cost alternative would be a permanently mounted assembly plate.

More safety also applies to cable connection compartments: The internal separation corresponds to 4b form - each cable connection compartment is completely sealed off. Depending on their number,the cables to be connected are attached to tunnel terminals or on pre-built copper connection brackets. Cabinet depths of 600mm, 800mm or 1000mm (at 5000A) leave enough space for reliable power distribution and individual adaptation to customers' needs. Additionally, you can choose between a permanently mounted or withdrawable version and combine the system with a variety of accessories such as motor windings, withdrawable units, plug-in modules (NZM3), rotary drives, etc.

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NZM3
NZM4



Technical data
- Protection types: IP31, IP42, IP55
- Cabinet depths: 600mm, 800mm, 1000mm
- Cabinet widths: 600mm, 800mm, (1000mm)

Versions
- NZM3 and NZM4 available as permanent installations; NZM3 in a withdrawable version as an additional solution in plug-in technology
- Combinable with a wide variety of accessories, such as motor windings, rotary drives, etc.
- Door stops on both sides with standard locking system (3mm double bit) or lever handle with half-cylinder depending on your choice
- Back main busbars combined with all currents from 1600A to 5000A
- The connection of cables and main busbars can be made variable (synchronous or asynchronous)
- Optimised for 3- and 4-pole switchgears by Eaton

Operating sites
- Systems with limited space (e.g. old buildings, conversions)
- Systems in which automatic switchover is required, e.g. in hospitals, shopping malls, etc.
- Systems requiring competitive, cost-oriented planning


Functional and residential buildings


Hospitals


Water treatment plants


Hotels

Advantages

- **Optimum space utilisation**
- **Less material required**
- **Lower costs by saving on copper**
- **Internal separation up to 4b form**
- **Connection options freely selectable**
- **Usable as ATS (Automatic Transfer Switch), e.g. in combination with ATS-C**
- **All accessories can be integrated, such as locks, motor wirings, undervoltage release mechanisms, etc.**

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