Contactors for wind energy applications
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Three-pole contactors with AC/DC control circuit

- B115-B180
- B250-B400
- B500-B630
- B630 1000
- B1250-B1600

Main auxiliary contacts and accessories

- G350
- G354
- G356
- G355
- G356
- G357

General characteristics

There has been worldwide growth in using all renewable energy sources in recent years. One of these sources is the wind which is converted into a useful form of energy by using wind turbines to produce electricity. The development of ever more reliable and safe wind turbines has been addressed by European and international standards IEC/EN 61400-1, that require only a few turbines can be disconnected from the system in presence of short-circuit or undervoltage conditions. Contactors equipped with mechanical latch are ideal for wind energy applications to ensure the connection is maintained in those conditions. The use of these contactors provide for:

- Ultime safety operation
- Total insensitivity to voltage drops or loss
- Elimination of risks for coil overheating and burning
- Energy saving.

Operational characteristics of mechanical latch

- Rated control voltage
  - AC (50/60Hz) V 48-480
  - DC V 48-480
- Power consumption
  - AC VA 1500
  - DC W 1100
- Minimum energising drops-out ms 40
- Minimum pick-up ms 300

Operational characteristics of auxiliary contacts

- Conventional free-air thermal current A 16
- Rated insulation voltage Ul V 690
- Terminals
  - Fasten 1-6 3-7 2-2.8
  - Flexible c/w lug mm² 2.5
  - AWG n² 14
  - IEC/EN 60947-5-1 designation AC A800
  - DC P600
- Mechanical life (in millions) cycles 5

Reference standards

For contactors

Compliant with standards: IEC/EN 60947-1, IEC/EN 60947-4-1, UL508, C22.2 n°14.

For auxiliary contacts and accessories


Other contactor ratings and accessories

Consult our general catalogue for full details and technical characteristics about contactors and accessories.