

## Synchronous motors

Designation: Synchronous motors or Gear synchronous motors

Type: RSM, DRSM, ZRSM: 36/\_, 37/\_, 41/\_, 42/\_, 51/\_, 57/\_, 63/\_, 763/4, 764/4, 765/4, 768/4, 769/3, 828/3, 842/3, 856/3, 884/3

Material number: 11xAAxxxx00 AA: 01 to 99, except 76, 77, 78, 79  
BBxAAxxxCxx BB: 22, 23, 25, 27, 28, 29, 30, 33, 35  
C: 2, 3, 4, 5, 6, 7

**These motors are designed for the use in devices, where a protection against direct contact with the motors is ensured by the device.**

**The following installation types are permitted:**

### **1. Motor is insulated and not connected to the protective conductor**

The motors can be used directly on supply networks with a maximum rated voltage of 250V and overvoltage category III.

Requirements on the insulation of the motor to conductible parts which are connected to the protective conductor:

- Basis insulation according to the required overvoltage category.

Requirements on the insulation of the motor to conductible parts which are not connected to the protective conductor:

- Reinforced or double insulation according to the required overvoltage category.

### **2. Motor connected to protective earth**

Motors that are connected to the protective earth via fastening elements can be used under the following conditions:

- Rated voltage < 250V
- Degree of pollution 1
- Overvoltage category II

or

- Rated voltage < 160V
- Degree of pollution 2
- Overvoltage category II