

3.5 Set-up and start-up



Warning!

The functional check of the brake must not be performed unless the machine (e.g. motor) has been switched off and secured against accidental or unintentional start-up.

The following checks must be carried out:

Check compliance with the specifications provided on the rating plate with respect to the mounting position and protection class. Provided that the fixing surface (mounting side) (8) for the spring-applied single-disc brake is closed, no further measures need to be taken to ensure compliance with the required protection class. If the fixing surface (mounting side) (8) is open, adequate sealing must be provided in accordance with the Kendrion Binder recommended installation procedure E76 00A0030 000. In this case, the maximum possible protection rating is IP 56. After connection of the brake, an operational test must be performed to check that the friction disc (5) runs smoothly. For this purpose, turn the shaft (while the brake is energised and the machine (e.g. motor) is unpowered). Install the required guards and protections after completion of installation.

Specifications on rating plates (example):

<p>Autonsation ID (optional see order)</p> <p>Highest breaking capacity</p> <p>Rated torque</p> <p>Rated current</p> <p>CE-Identity number</p> <p>Index (client drawing)</p> <p>Manufacturing date and Initials of testee</p> <p>IT-Number</p>		<p>Certification codes: (to EN 60079-0)</p> <p>II 2G group II equipment; category 2G (gas atmos- pheres); zones 1 and 2</p> <p>II 2D group II equipment; category 2D (combustible dust atmospheres); zones 21 and 22</p> <p>IP67 T100°C IP 67 protection; max. surface temperature 100°C</p> <p>Ex de IIC T5 flameproof enclosure; increased safety; group II equipment (electrical equipment for use in potentially explosive atmospheres except for underground mines); classification C (gas and vapour atmospheres); temperature class T5</p> <p>tD A21 protection by enclosures for use in the presence of combustible dust according to method A for zone 21</p> <p>DMT 02 certification authority and certification year</p> <p>ATEX E 122 X certification number</p>
<p>Voltage Frequency</p> <p>Order number (part number per order)</p> <p>Component number (Typ)</p> <p>Nominal voltage</p>	<p>Zone 1: occasional explosion hazard</p> <p>Zone 2: occasional explosion hazard for short periods</p> <p>Zone 21: occasional explosion hazard caused by combustible dust in normal operation</p> <p>Zone 22: explosion hazard caused by combustible dust unlikely to occur in normal operation; if it does only for short periods</p>	