Operating condition

This page lists the **operating conditions** of the integrated drive linear motors. The values define the ambient environment and the protection level for a safe and reliable operation.

The integrated drive linear motors are qualified to work with an ambient temperature from 0 to +40 °C.
The temperature of the motor winding is measured and monitored using an I²t algorithm.

The standard IP protection level is IP65.

Operating notes

- Keep the ambient temperature within the specified range (0 to +40 °C). - The winding temperature is monitored by the drive with an I²t algorithm; respect the rated duty cycle to avoid overload. - The IP65 protection protects against dust and water spray; ensure the connectors and the cable entry are correctly sealed. - For the derating data and the cooling options, refer to the technical data page and the product manual.

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