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Function

Display parameter, for the flux-generating component of the current command value.

In asynchronous motors, this current generates the magnetic flux in the motor. Nominally it corresponds to the value in parameter "P-0-4004, Magnetizing current".

Deviating from this value, the flux-generating current command value is adjusted:

- if P-0-0532 has been selected smaller than 100%
- if the motor is operated in the field weakening range
- for dynamic control processes depending on the operating state

For synchronous motors, the value depends on the motor design and the operating point. In idle mode in the base speed range, it is zero. Under load or in field weakening, it can become negative. For reluctance motors, a value is always set in parameter "P-0-0039".