

ABSTRACT**DRIVE WITH A CONTROLLER FOR A LIFTING GEAR OF A HOIST, IN PARTICULAR A COMPACT HOIST**

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A drive with a controller for a lifting gear of a hoist, in particular a compact hoist, of a type having a drum for winding and unwinding a load-bearing member connected to a load-receiving member, includes an electric motor, having at
10 least one stator winding and one rotor winding, which has two terminals and is connected in series with the stator winding to an AC power supply, for driving the drum, whereby the lifting speed and the lifting direction can be controlled by a user via a control unit. To provide a drive for a lifting gear, especially for an inexpensive small hoist, which does not coast after the lifting motion is switched
15 off and allows an emergency shut-off under load as well as a rapid reversal of the lifting direction, the electric motor is formed as a universal motor. In accordance with the invention, each preset lifting speed is associated with a value of an AC output voltage of the AC power supply, and the series-connected windings can be disconnected from the AC power supply and
20 thereafter can be short-circuited after the two terminals of the rotor winding are commutated.

Fig. 1