

Selection criteria

For the selection of the correct type of starting relay there are 2 significant parameter:

1. Starting current

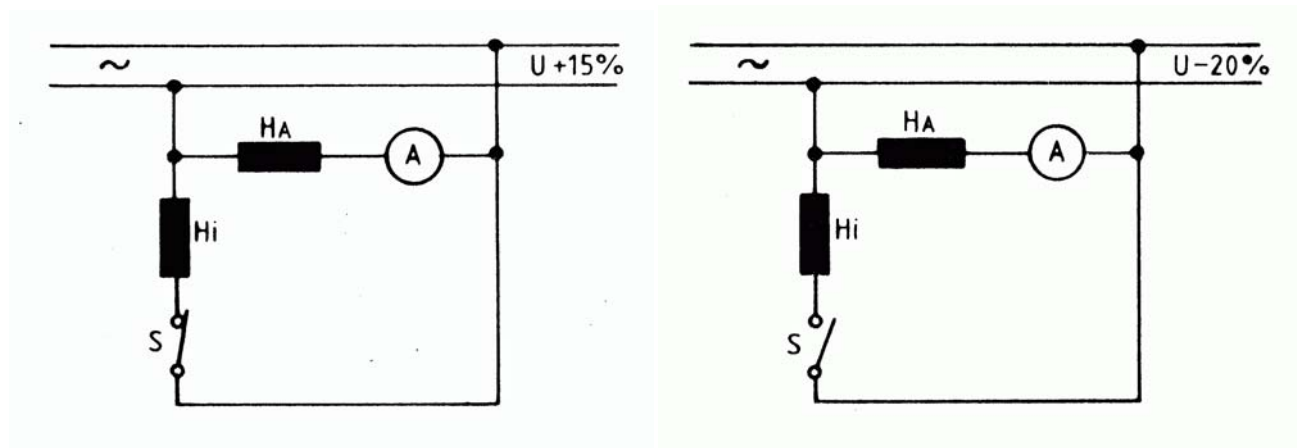
Current limit, when the relay is closing the relay contact and auxiliary phase is switched on.

2. Drop-out value

Current minimum, when the relay is opening the relay contact again and auxiliary phase is switched off.

How to check relevant current values for present application

To find out the relevant current values use description as follows:



H_A = Main winding

H_i = auxiliary phase winding

S = circuit breaker

How to measure starting current

Operating voltage + 15%
Main- and auxiliary phase winding connected (S = closed).
Motor no-load, with room temperature.
Measure in idle-run and before winding temperature is increasing.

How to measure drop-out value

Operating voltage – 20%
Auxiliary phase winding disconnected. (S = open). Motor blocked, winding in hot condition. Measure in blocked condition and maximum safe operation temperature.

Selection of suitable relay type:

Selection of the type of relay is made according to determined starting current and drop-out value out of relay type list. The most important value is the starting current. The determined drop-out value must be within the range of starting current and drop-out value mentioned in the list.