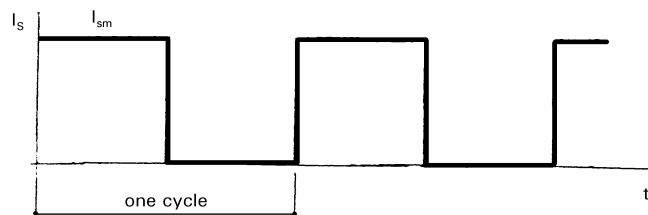
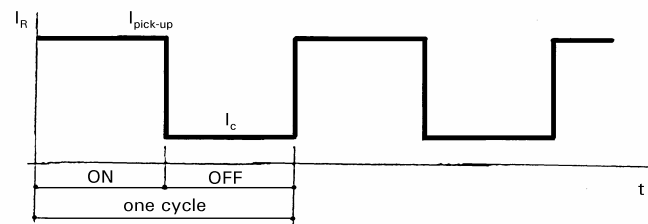
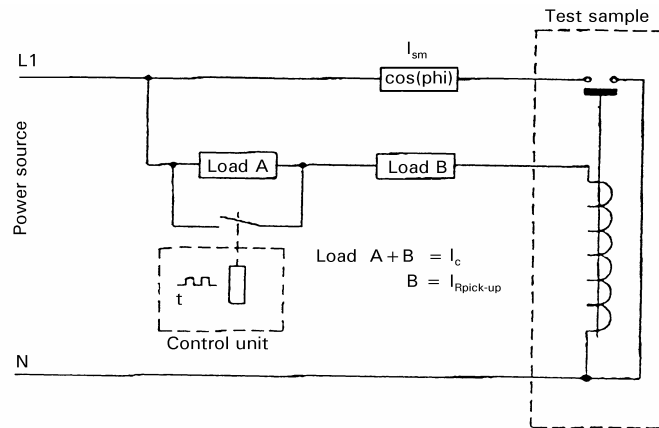


COLLECTION OF CIG-OSM/IN DECISIONS

Standard: EN 60 730-2-10:1995	Sub clause: 17	Sheet no. OSM/IN 070 Page 1(2)
Subject: Motor starting relays test arrangements	Key words: Relays	Meeting no. 6 Item 6.7
Question:	The requirements are not sufficient to conduct the endurance test and to achieve reproducible results.	
Decision:	The test should be carried out according the test arrangement described in Annex D. It should be I pick-up stead of 1,3 I pick-up. The manufacturer shall declare the I pick-up for its motor starting relay. It should be recorded the test circuit in the test report.	
Explanatory notes:	-	

Standard: EN 60 730-2-10:1995	Sub clause: 17	Sheet no. OSM/IN 070 Page 2(2)
Subject: Motor starting relays test arrangements	Key words:	Meeting no. 6 Item 6.7



I_{sm} = max. start current in the start winding

- I_c = Continuous current after motor starting
- $I_{R Pick-up}$ = Pick-up current of the coil
- T_{max} 43°C or as declared by the manufacturer
- Cycle time with the ratio of the "ON" to the "OFF" time should be 1 to 1 or as declared by the manufacturer
- Power factor of the start winding, $\cos(\phi)=0,4$ or as declared by the manufacturer