

## TEST SHEET

<i>Name</i>	<i>Group</i>	<i>Date</i>
<b>Initial Test</b>	All connections made and checked	.....
	Disconnected from supply	.....
<b>Earth integrity</b>	Resistance of earth connection	..... $\Omega$
<b>Continuity of conductors</b>		
	Brown, Black and Grey fuses in place	.....
	H11 ..... H31 ..... H51 ..... H71	.....
	H13 ..... H33 ..... H53 ..... H55	.....
	H19 ..... H21 ..... H23 ..... H90	.....
	H15 ..... H35 ..... H17	.....
		Hold point: Supervisor .....
		Student .....
<b>Insulation resistance</b>	Door leads disconnected	.....
	MCB closed	.....
	Insulation resistance measured between	
	phase terminals L1, L2, L3;	.....
	phase terminals L1, L2, L3 and neutral;	.....
	phase terminals L1, L2, L3 and earth;	.....
	neutral and earth terminals;	.....
	phase terminals U1, V1, W1;	.....
	phase terminals U1, V1, W1 and earth.	.....
	MCB opened	.....
	Door leads reconnected	.....
<b>Functional tests</b>	Fuses FS1-3 correctly fitted	.....
	Switch CS in the OPEN position	.....
	Incoming three phase supply connected	.....
	SL1-3 illuminated	.....
	SL4&SL5 extinguished	.....
	MCB closed	.....
	SL4 extinguished and SL5 illuminated	.....
	Voltmeter reading	..... V
	Switch CS rotated to the CLOSE position	.....
	SL5 extinguished and SL4 illuminated	.....
	Switch CS rotated to the OPEN position	.....
	SL4 extinguished and SL5 illuminated	.....
<b>Phase rotation</b>	Contactor FC closed	.....
	Three phase supply at terminals U1, V1 and W1	.....
	Phase rotation at terminals L1, L2 and L3	.....
	Phase rotation at terminals U1, V1 and W1	.....
	Phase rotation preserved	.....
	Contactor FC open	.....
	Terminals U1, V1, W1 de-energised	.....
<b>Motor test</b>	Incoming ac supply disconnected	.....
	Induction motor connected	.....
	Incoming ac supply reconnected	.....
	Contactor FC closed	.....
	Direction of rotation of the motor	.....
	Start and no-load current of the motor	.....
	Contactor FC opened	.....
	Incoming ac supply disconnected	.....
	Induction motor disconnected	.....

