PAT400 Series Standard Test Groups

Test Group	Usage	Test Applied	Pass Limit	Test Duration	Used in
C1	Standard Class 1	Visual inspection			PAT420
	Earthed equipment	Earth bond at 10 A	≤0.1 Ω	5 s	PAT450
		Insulation test at 500 V	≥2 MΩ	5 s	
		Operation test (230 V)	≤3000 VA	5 s	
C1-RCD	Standard Class 1	Differential earth leakage (230 V) Visual inspection	≤3.5 mA	5 s	PAT420
	Earthed equipment with		≤0.1 Ω	5 s	PAT450
	RCD protection	Operation test (230 V)	≤3000 VA	5 s	
		Differential earth leakage (230 V)	≤3.5 mA	5 s	
	c. I ICI 4	RCD 30 mA test	ļ		DATAGO
SC1B	Standard Class 1 Earthed equipment	Visual inspection Earth continuity	<0.1 0	5 s	PAT410 PAT420
	200 mA continuity test	Insulation test at 500 V	≥0.1 Ω ≥2 MΩ	5 s	PAT450
		Operation test (230 V)	≤3000 VA	5 s	
		Differential earth leakage (230 V)	≤3.5 mA	5 s	
SC1B-RCD	Standard Class 1	Visual inspection			PAT410
	Earthed equipment with RCD protection	Earth continuity Operation test (230 V)	≤0.1 Ω ≤3000 VA	5 s 5 s	PAT420 PAT450
	200 mA continuity test	Differential earth leakage (230 V)	≤3.5 mA	5 s	FA1430
	200 mil Continuity Cost	RCD 30 mA test	3.5 mA		
SC2 TO1	Typical Class 2	Visual inspection			PAT410
	Double insulated	Insulation test at 500 V	≥7MΩ	5 s	PAT420
		Operation test (230 V)	≤3000VA	5 s	PAT450
	110 V Tools	Differential earth leakage (230 V) Visual inspection	≤0.5mA	5 s	PAT420 UK
	Earthed equipment	Earth bond at 25 A	≤0.1 Ω	5 s	PAT450_UK
	and equipment	Insulation test at 500 V	≥0.1 Ω ≥2 MΩ	5 s	
		Operation test (110 V)	≤1800 VA	5 s	
		Differential earth leakage (110 V)	≤3.5 mA	5 s	
TO1F	110 V Tools Class 1 +	Visual inspection	.0.6.0	-	PAT450_Uk
	Flash Earthed equipment	Earth bond at 25 A Insulation test at 500 V	≤0.1 Ω ≥2 MΩ	5 s 5 s	
	cartned equipment	Operation test (110 V)	≥2 ΜΩ ≤1800 VA	5 s	
		Differential earth leakage (110 V)	≤3.5 mA	5 s	
		Flash test at 1500 V	≤3 mA	User controlled	
TO2	110 V Tools	Visual inspection			PAT420_UK
	Double Insulated	Insulation test at 500 V	≥7 MΩ	5 s	PAT450_UK
		Operation test (110 V) Differential Earth Leakage (110 V)	≤1800 VA ≤0.5 mA	5 s 5 s	
TO2F FAN	110 V Tools Class 2 +	Visual inspection	≥0.5 IIIA	33	PAT450_UK
	Flash	Insulation test at 500 V	≥7 MΩ	5 s	
	Double Insulated	Operation test (110 V)	≤1800 VA	5 s	
		Differential Earth Leakage (110 V)	≤0.5 mA	5 s	
	Desk fan	Flash test at 3000 V	≤0.5 mA	User controlled	DATAIO
AN	Double insulated	Visual inspection Insulation test at 500 V	≥7 MΩ	5 s	PAT410 PAT420
	Double ilisulated	Operation test (230 V)	≥7 10152 ≤200 VA	5 s	PAT450
		Differential earth leakage (230 V)	≤0.5 mA	5 s	
PC	Personal computer	Visual inspection			PAT410
	IT equipment	Earth continuity	≤0.1 Ω	5 s	PAT420
		Operation test (230 V) Differential earth leakage (230 V)	≤500 VA ≤3.5 mA	5 s 5 s	PAT450
DRY	Hairdryers	Visual inspection	≥3.5 IIIA	33	PAT410
	Double insulated	Insulation test at 500 V	≥7 MΩ	5 s	PAT420
		Operation test (230 V)	≤1500 VA	5 s	PAT450
		Differential earth leakage (230 V)	≤0.5 mA	5 s	
KET	Kettles	Visual inspection	.0.4.0	r -	PAT420
	Eartned	Earth bond at 25 A Insulation test at 500 V	≤0.1 Ω ≥2 MΩ	5 s 5 s	PAT450
		Operation test (230 V)	≥2 101Ω ≤2500 VA	5 s	
		Differential earth leakage (230 V)	≤3.5 mA	5 s	
KETB	Kettles	Visual inspection			PAT410
	Earthed	Earth continuity	≤0.1 Ω	5 s	PAT420
	200mA continuity test	Insulation test at 500 V Operation test (230 V)	≥2 MΩ <2500 \/A	5 s	PAT450
		Differential earth leakage (230 V)	≤2500 VA ≤3.5 mA	5 s 5 s	
	230 V extension leads	Visual inspection	⊒J.J IIIA		PAT420
	3 core	Earth bond at 25 A	≤0.5Ω	5 s	PAT450
		Insulation test at 500 V	≥7ΜΩ	5 s	
	220 1/	Polarity			DATAGE
EL1B	230 V extension leads 3 core	Visual inspection Earth continuity	-0.5.0	5.6	PAT410 PAT420
	200mA continuity test	Insulation test at 500 V	≤0.5 Ω ≥7 MΩ	5 s 5 s	PAT420 PAT450
	test	Polarity	∠/ IVI22		
EL2	230 V extension leads	Visual Inspection			PAT410
	2 core	Insulation test at 500 V	≥5 MΩ	5 s	PAT420
	440)/	Polarity			PAT450
EL3	110 V extension leads 3 core	Visual Inspection Earth Bond at 25 A	O F O	5 s	PAT420_UK PAT450_UK
	2 core	Insulation test at 500 V	≤0.5 Ω ≥7 MΩ	5 s	1-A1430_UK
		Polarity	E, 18177		
EL4	4 way 230 V extension	Visual Inspection	1		
	leads	Earth Bond at 25 A (x4)	≤0.5 Ω	5 s	PAT420
	3 core	Insulation test at 500 V	≥7 MΩ	5 s	PAT450
	4 way 2201/	Polarity	1	-	DATASA
EL4B RCD	4 way 230V extension leads	Visual Inspection Earth Continuity (x4)	010	5 s	PAT410 PAT420
	3 core	Insulation test at 500 V	≤0.1 Ω ≥7 MΩ	5 s	PAT420 PAT450
	200 mA continuity test	Polarity	E, 18177	1 -	
	Portable RCD 30mA	Visual Inspection			PAT410
	Called Portable RCD in releases up to 2.01	RCD 30 mA test			PAT420
DCD ELLI		he ii c			PAT450
RCD FULL	Portable RCD (5 tests) Called Portable RCD 30mA (5 tests) in	Visual Inspection RCD full test sequence			PAT410 PAT420