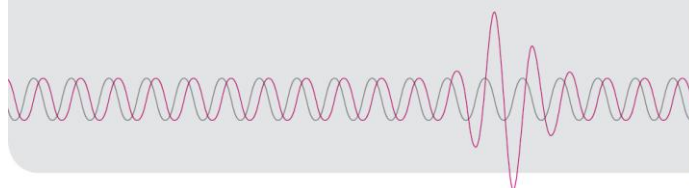


EPOS MC3

SPECIFICATIONS



General description

EPOS MC3 can be used to supply power to motors and release coils and to substitute the batteries in switching stations and can function as a power supply for tests carried out with ACTAS switchgear test systems. The test system captures the operating currents of spring-charging and pump motors and of coil operation. The display shows the numerical results as well as the curve characteristics of the motor and coil currents. EPOS MC3 also provides a number of other functions for switchgear analysis, including the determination of the coil resistance and the minimum operating voltage.

Source	Voltage	20...270 VAC		
		10...300 VDC		
		Voltage level motor/coil voltage independently configurable		
		The output voltage is galvanically connected to the power supply voltage!		
	Step value	1 V		
	Accuracy	± 1 %		
	Current	max. 40 A		
		Supply voltage 230 VAC:	Supply voltage 110 VAC:	
		24 VDC: 40 A	24 VDC: 40 A	
		60 VDC: 40 A	60 VDC: 20 A	
110 VDC: 23 A		110 VDC: 11 A		
220 VDC: 12 A	220 VDC: 6 A			
Power	2500 VA @ 230 V, 1200 VA @ 110 V			
Frequency	DC, 50 Hz, 60 Hz			
Protection	Overcurrent, short-circuit, overload			
Measurement	Voltage	Range	0...300 VAC/DC	
		Resolution	0.1 V	
		Accuracy	± 0.5 %	
	Current	Range	0...40 AAC/DC	
		Resolution	0.1 A	
		Accuracy	± 0.5 %	
	Resistance	Range	0.5...1500 Ω	
		Accuracy	0.5...100 Ω: < 0.2 %	
			100...200 Ω: < 0.5 %	
			200...400 Ω: < 1.0 %	
			400...800 Ω: < 2.0 %	
			800...1500 Ω: < 4.0 %	
		Measuring-circuit voltage	10 VDC	

Complete system	Power supply	Rated voltage: 110...265 VAC, 47...63 Hz, 110...265 VDC Current: max. 16 A
	Measurement connections	3 (1 x motor, 2 x coil) All connection points are located on the front panel, 4 mm/6 mm flush-mounted safety sockets are used
	Housing	Portable ¾ 19" housing 4 U Carrying handle can also be used as a stand
	Dimensions (W x H x D) mm without handle	360 x 200 x 355
	Weight	< 13 kg
	Screen	High-resolution, resistive 3½" touch screen
	Operation	Touch screen and four function keys three enable keys (motor, closing/opening coil)
	PC	EPOS MC3 operating software for Windows® XP/Vista/7/8/10
	Display elements	3 status LEDs Screen status indication
	Capacity internal data memory	250 tests
	PC interfaces	USB-B, RS232
	Control	Remote control (optional), analog and digital control via ACTAS
	Environment	
	Operating temperature	-10°C...50°C
	Storage temperature	-20...60°C
	Relative humidity	5...80%, non-condensing
	Protection class	IP20
	Safety	DIN EN 61010-1 300 V~CAT II
	Product standard	DIN EN 61326-1
	Measurement functions	Testing the motors and release coils (current signatures) Determination of coil resistance Determination of minimum operating voltage Tests for undervoltage releases