EPOS MC4
SPECIFICATIONS

General description	EPOS MC4 is a compact, portable motor and coil test system with a particularly powerful AC/DC source. The test system is used to supply voltage to motors and trip coils, records the operating currents of spring winding and pump motors as well as the trip coils, and shows the numerical results of the motor and coil currents on the display. EPOS MC4 provides additional functions for analyzing the switching device, such as determining the coil resistance or the minimum tripping voltage.		
Source	Voltage		Up to 270VAC / 300VDC Voltage level motor/coil voltage independently adjustable
		Output areas	30 V – 75 V – 145 V – 275 V
		Step value	1 V
		Accuracy	± 1 %
		Power	2000 VA @ 230 V, 1700 VA @ 110V
	Current		Max. 40 A
	Frequency		DC, 50 Hz, 60 Hz
	Protection		Overcurrent, short-circuit, overload
Measure-ment	Voltage	Range	Up to 300 VAC/DC
	Current	Measuring range motor current	30 / 100 A AC/DC, switchable
		Measuring range coil current	5 / 30 A AC/DC, switchable
	Resistance	Range	0,5…1500 Ω
Complete system		Power supply	Rated voltage : 100…240 VAC, 47…63 Hz Current: max. 20 A Galvanic isolation of the source section from the mains voltage
		Measuring connections	4 (1 x Motor; 1 x I-coil, 2 x O-coil; sequential controllable) 4 mm safety sockets located on the front panel
		Housing Protection class	Hard case IP67 (closed)
		Dimensions (W x H x D) mm	505 x 257 x 409 mm
		Weight	19,7 kg
		Display	High-resolution, resistive 5" touchscreen
		Operation	Touch screen, rotary selector wheel, three function keys and four enable keys for motor, I-, O1-, O2-coil
		PC	EPOS MC - Operating software for Windows
		Display elements	4 status LEDs, display status messages
		Capacity internal data memory	4 GB
		PC interfaces	USB-B, RJ 45 (Ethernet)
	Environ-mental conditions	Working temperature Storage temperature Relative humidity Safety Product standard	-10°C…50°C -20…60°C 5…80%, non-condensing DIN EN 61010-1 300 V~CAT II DIN EN 61326-1
		Measurement functions	Testing of motor and I/O coils (current signatures) Determination of the minimum release voltage Determination of the coil resistance Undervoltage release testing