



Operating capacitor 80 μ F / 450 V, aluminium can, Flat plug

Manufacturer:	Hydra
Type:	MAB MKP 80/500
Product no.:	800400MBA/FL
Weight:	0.280

■ Details

Capacitor for the operation of AC motors or three-phase motor with ca.1,1 kW in Steinmetz circuit.

Usable for continuous operation and intermittent operation

■ Construction

Self-healing capacitor (MKP) in aluminium housing with flat plug, overpressure protection, base screw

■ Note regarding voltage information

The voltage information refers to the dielectric strength and not the operating voltage. The capacitor can be used with a 230V AC motor.

■ Technical values

Capacity	80 μ F
Capacity tolerance	\pm 5% nominal value
Climate class	25/85/21 according to IEC 60068
Protection class	IP 00
Operating temperature	-25° up to +85°C (UL:-25°C)
Operating mode	Continuous operation or Intermittent operation AB 25% ED, SD 4h Intermittent operation AB 20% ED, SD 24h
Safety class	P2
Service life class	-25/+85°C: Class A - 30.000h - 420V (1-30 μ F) Class B - 10.000h - 470V (1-30 μ F); -420V (35-80 μ F) Class C - 3.000h - 470V (35-80 μ F) Class D - 1.000h - 500V (1,5-30 μ F)
Mains frequency	50/60 Hz
Filling material	Environmentally friendly vegetable oil
Connection	4 x flat plug 6.3 mm
Housing \varnothing x length	65 x 143 mm
Base screw	M12 x 10

■ Security

Capacitors are wear parts, which fail under extreme conditions or at reaching their lifetime. Hydra motor capacitors are manufactured with a build-in overpressure disconnecter. In case of failure, the capacitor will expand in the axial direction up to about 9 mm. Due to the expansion, the thinner section of the fuse will break and the capacitor will be disconnected safely from the mains.

Hydra capacitors are certified by the VDE Testing and Certification Institute and fulfill the regulations of safety class P2 according to EN 60252.

