



Operating capacitor 25 µF / 450 V, aluminium can, Flat plug

Manufacturer: Hydra
Type: MAB MKP 25/500
Product no.: 250400MBA/FL
Weight: 0.180

■ Details

Capacitor with flat plug for the operation of single-phase AC motors or three-phase motor am single-phasesnetz (Steinmetz circuit).

Usable for continuous operation and intermittent operation

■ Construction

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

■ Specifications

Capacity	25 µF
Capacity tolerance	±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
Mains frequency	50/60 Hz
Service life class	-25/+85°C: Class A - 30.000h - 420V (1-30 µF) Class B - 10.000h - 470V (1-30 µF); -420V (35-80 µF) Class C - 3.000h - 470V (35-80 µF) Class D - 1.000h - 500V (1,5-30 µF)
Filling material	Environmentally friendly vegetable oil
Connection	4 x flat plug 6.3 mm
Housing Ø x length	40 x 98 mm
Base screw	M8 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.