KAHLHORN
Technischer Handel

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Operating capacitor 3 µF / 450 V, aluminium can

Manfacturer:	Hydra
Type:	MKB MKP 3/500
Product no.:	030400MBA
Weight:	0.080

■ Details

Motor capacitor with cable connection for the operation of AC motors with low performance like e.g. Roller-blind motors, fan motor.

Usable for continuous operation and intermittent operation

■ Construction

Self-healing capacitor (MKP) in aluminium housing with cap, cable routing to the side, overpressure disconnector, 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	3 µF
Capacity tolerance	±5% nominal value
Climate class	25/85/21 according to IEC 60068
Protection class	IP 65
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 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)
Mains frequency	50/60 Hz
Filling material	Environmentally friendly vegetable oil
Connection	Cable 2 x 0.75 mm², length 300 mm
Dimensions Ø x length	25 x 86 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 disconnector. 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.