



## Operating capacitor 12 $\mu$ F / 450 V, aluminium can

Manufacturer:	Hydra
Type:	MKB MKP 12/500
Product no.:	120400MBA
Weight:	0.100

### ■ Details

Capacitor with cable connection for the operation of single-phase AC motors, e.g. Of grinding machines, lawn mowers, concrete mixers, wire rope hoists.

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

<b>Capacity</b>	12 $\mu$ F
<b>Capacity tolerance</b>	$\pm$ 5% nominal value
<b>Climate class</b>	25/85/21 according to IEC 60068
<b>Protection class</b>	IP 65 (with Kappe)
<b>Operating temperature</b>	-25° up to +85°C (UL:-25°C)
<b>Operating mode</b>	Continuous operation or Intermittent operation AB 25% ED, SD 4h Intermittent operation AB 20% ED, SD 24h
<b>Safety class</b>	P2
<b>Service life class</b>	-25/+85°C: Class A - 30.000h - 420V (1-30 $\mu$ F) Class B - 10.000h - 470V (1-30 $\mu$ F); -420V (35-80 $\mu$ F) Class C - 3.000h - 470V (35-80 $\mu$ F) Class D - 1.000h - 500V (1,5-30 $\mu$ F)
<b>Mains frequency</b>	50/60 Hz
<b>Filling material</b>	Environmentally friendly vegetable oil
<b>Dimensions <math>\varnothing</math> x length</b>	35 x 91 mm
<b>Connection</b>	Cable 2 x 0.75 mm <sup>2</sup> , length 300 mm
<b>Base screw</b>	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.