

**Motor - Starting Capacitors**



**Features**

- double-potted design
- protection according to IP 54
- high current loading
- connection cable
- with clamp attachment or mounting stud

**Applications**

- starting capacitors for single-phase motors with auxiliary phase

**Quick reference**

Temperature range	- 10°C ... + 60°C
Tolerance	±10%
Specifications	VDE 560 / 8
Accessories	if mounting stud then fixing nut is included
Terminals	connection cable: normal length 300mm or custom

The alternating current loading may occur at most 20 times per hour with the following values:

percentage duty cycle	ripple current loading
AB 0,55 % ED	20 turn-ons with each 1,0 sec duration
AB 1,50 % ED	20 turn-ons with each 2,7 sec duration
AB 1,70 % ED	20 turn-ons with each 3,0 sec duration

### Standard Values Type MDK

$U_R \sim 50-60 \text{ Hz}$ [V]	$C_R$ [ $\mu\text{F}$ ]	ED	$\varnothing \times L$ [mm]	VDE sign	Order code.
160 V ~	100	1,70 %	36,8 x 69	-	MDK 155
160 V ~	125	1,70 %	36,8 x 69	-	MDK 156
160 V ~	140	1,70 %	36,8 x 69	-	MDK 157
160 V ~	160	1,70 %	36,8 x 69	-	MDK 158
160 V ~	180	1,70 %	36,8 x 69	-	MDK 166
160 V ~	200	1,70 %	36,8 x 69	-	MDK 159
160 V ~	250	1,70 %	36,8 x 83	-	MDK 160
160 V ~	300	1,70 %	36,8 x 83	-	MDK 161
160 V ~	350	1,70 %	36,8 x 83	-	MDK 162
160 V ~	400	1,70 %	41,8 x 83	-	MDK 163
160 V ~	450	1,70 %	41,8 x 83	-	MDK 164
160 V ~	500	1,70 %	41,8 x 83	-	MDK 165
160 V ~	850	1,70 %	51,8 x 118	-	MDK 170
320 V ~	70	0,55 %	36,8 x 83	-	MDK 326
320 V ~	80	0,55 %	36,8 x 83	-	MDK 327
320 V ~	90	0,55 %	36,8 x 83	-	MDK 328
320 V ~	100	0,55 %	36,8 x 83	-	MDK 329
320 V ~	125	0,55 %	36,8 x 83	-	MDK 330
320 V ~	140	0,55 %	36,8 x 83	-	MDK 331
320 V ~	160	0,55 %	41,8 x 83	-	MDK 332
320 V ~	180	0,55 %	41,8 x 83	-	MDK 336
320 V ~	200	0,55 %	41,8 x 83	-	MDK 333
320 V ~	250	0,55 %	51,8 x 118	-	MDK 334
320 V ~	300	0,55 %	51,8 x 118	-	MDK 335
320 V ~	10	1,70 %	36,8 x 69	yes	MDK 417
320 V ~	15	1,70 %	36,8 x 69	yes	MDK 400
320 V ~	20	1,70 %	36,8 x 69	yes	MDK 401
320 V ~	25	1,70 %	36,8 x 69	yes	MDK 402
320 V ~	30	1,70 %	36,8 x 69	yes	MDK 403
320 V ~	40	1,70 %	36,8 x 69	yes	MDK 404
320 V ~	50	1,70 %	36,8 x 83	yes	MDK 405
320 V ~	60	1,70 %	36,8 x 83	yes	MDK 406
320 V ~	70	1,70 %	36,8 x 83	yes	MDK 407
320 V ~	80	1,70 %	41,8 x 83	yes	MDK 408
320 V ~	90	1,70 %	41,8 x 83	yes	MDK 416
320 V ~	100	1,70 %	41,8 x 83	yes	MDK 409
320 V ~	125	1,70 %	51,8 x 118	yes	MDK 410
320 V ~	140	1,70 %	51,8 x 118	-	MDK 411
320 V ~	160	1,70 %	51,8 x 118	-	MDK 412
320 V ~	180	1,70 %	51,8 x 118	-	MDK 413
320 V ~	200	1,70 %	51,8 x 118	-	MDK 414

Please give the following information along with your order:

- cable length (normal length 300mm)
- with or without discharge resistor ( 22 / 47 / 100 K $\Omega$  )
- **with or without base stud**

## Motor - Starting Capacitors Type MEK

### Features

- insulated aluminium can
- with cap and connecting cable or plug - in tags



### Applications

- starting capacitors for single-phase motors with auxiliary phase

temperature range	- 10°C ... + 60°C
tolerance	±10%
specifications	VDE 560 / 8
terminals	cap and cable; or plug in tags 6.3mm or 4.8mm

The alternating current loading may occur at most 20 times per hour with the following values:

percentage duty cycle	ripple current loading
AB 0,55 % ED	20 turn-ons with each 1,0 sec duration
AB 1,50 % ED	20 turn-ons with each 2,7 sec duration
AB 1,70 % ED	20 turn-ons with each 3,0 sec duration

### Standard Values Type MEK

U <sub>R</sub> ~ 50-60 Hz [V]	C <sub>R</sub> [µF]	ED AB	D x L / with cap [mm]	VDE sign	Order code
320 V ~	60	1,70 %	35 x 66 / 85	yes	MEK 60
320 V ~	70	1,70 %	35 x 66 / 85	yes	MEK 70
320 V ~	80	1,70 %	40 x 66 / 85	yes	MEK 80
320 V ~	90	1,70 %	40 x 66 / 85	yes	MEK 90
320 V ~	95	1,70 %	40 x 66 / 85	yes	MEK 95
320 V ~	100	1,70 %	40 x 66 / 85	yes	MEK 100
320 V ~	125	1,70 %	50 x 66 / 85	yes	MEK 125
320 V ~	140	1,70 %	50 x 96 / 112	-	MEK 140
320 V ~	160	1,70 %	50 x 96 / 112	-	MEK 160
320 V ~	180	1,70 %	50 x 96 / 112	-	MEK 180
320 V ~	200	1,70 %	50 x 96 / 112	-	MEK 200

### Special versions of the MEK

U <sub>R</sub> ~ 50-60 Hz [V]	C <sub>R</sub> [µF]	ED AB	D x L [mm]	VDE sign	Order code
320 V ~	95	0,60 %	35 x 66	yes	MEK 38
250 V ~	220	0,55 %	35 x 76	-	MEK 33

Please state additionally to your order:

- with or without cap
- cable length
- plug connections 4.8 or 6.3
- with or without discharge resistor  
22 KΩ
- **47 KΩ ( Standard )**  
100 KΩ
- with mounting clips