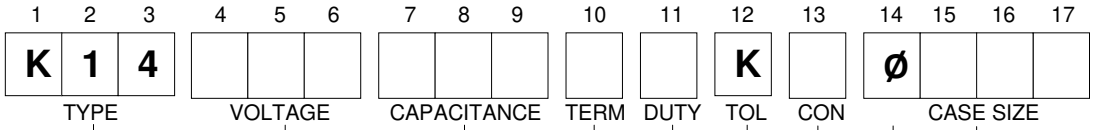
- **Insulated aluminium can**
- **Twin core cable**
- **Double potted design**
- **high current loading**
- **mounting stud version applications for starting capacitors for single-phase motors with auxiliary phase**
- **Top deck in rubber-bakelite**
- **Protection according to IP54**
- **Discharge resistance 15KΩ 2W on request**

APPLICATIONS

Motor start, motor control on white goods appliances.

PART NUMBER SYSTEM

Total length is 17 digits



LENGTH [mm]
091, 118

DIAMETER [mm]
V = 50
F = 40

CONNECTOR
3 = Bipolar Cable

TOLLERANCE
K = ±10%

DUTY CYCLE
0 = 0.55%
1 = 1.70%

TERMINATION
0 = Plain Can
1 = M10 Stud
8 = M8 Stud

CAPACITANCE [µF]
2 significant digits plus multiplying factor
1 = x10
2 = x100

VOLTAGE [VAC]
160 VAC = 160
330 VAC = 330

SERIES TYPE
K14 Motor Start Double Can

SPECIFICATION

Reference	IEC EN 60252-2
Climatic category	10/65/21 IEC 68-1
Storage temperature	-40°C to +85°C
Temperature range	-40°C to +85°C
Voltage range	160V AC to 320V AC
Capacitance range	50 µF to 850 µF
Stud (digit 10 th)	M8 or M12 with fixing nuts
Duty cycle (digit 11 th)	0.55% - 20 turns-on/hour of 1 second every 3 minutes 1,70% - 20 turns-on/hour of 1 second every 3 minutes
Tolerance (digit 12th)	"K" = ± 10%
Case	Aluminium case with or without stud
Mounting	Horizontal – Vertical
Maximum screw torque strength for installation	10 Nm
Class protection	IP54
Connection cable	300 mm or on custom request

Kendeil™

K14 TYPE STANDARD RATINGS

RATED VOLTAGE	Cap µF	Ø x L mm	Frequency Hz	Duty Cycle %	PART NUMBER Termination digit excluded
160VAC	200	50x91	50	1.70	K14160201_1K3V091
	250	50x91	50	1.70	K14160251_1K3V091
	300	50x91	50	1.70	K14160301_1K3V091
	350	50x91	50	1.70	K14160351_1K3V091
	400	50x91	50	1.70	K14160401_1K3V091
	450	50x91	50	1.70	K14160451_1K3V091
	500	50x91	50	1.70	K14160501_1K3V091
	600	50x118	50	1.70	K14160601_1K3V118
	750	50x118	50	1.70	K14160751_1K3V118
	850	50x118	50	1.70	K14160851_1K3V118

RATED VOLTAGE	Cap µF	Ø x L mm	Frequency Hz	Duty Cycle %	PART NUMBER Termination digit excluded
330VAC	50	50x91	50	0.55	K14330500_0K3V091
	60	50x91	50	0.55	K14330600_0K3V091
	70	50x91	50	0.55	K14330700_0K3V091
	80	50x91	50	0.55	K14330800_0K3V091
	90	50x91	50	0.55	K14330900_0K3V091
	100	50x91	50	0.55	K14330101_0K3V091
	125	50x91	50	0.55	K14330121_0K3V091
	140	50x118	50	0.55	K14330141_0K3V118
	160	50x118	50	0.55	K14330161_0K3V118
	180	50x118	50	0.55	K14330181_0K3V118

RATED VOLTAGE	Cap µF	Ø x L mm	Frequency Hz	Duty Cycle %	PART NUMBER Termination digit excluded
	50	50x91	50	1.70	K14330500_1K3V091
	60	50x91	50	1.70	K14330600_1K3V091
	70	50x91	50	1.70	K14330700_1K3V091
	80	50x91	50	1.70	K14330800_1K3V091
	90	50x91	50	1.70	K14330900_1K3V091
330VAC	100	50x91	50	1.70	K14330101_1K3V091
	125	50x91	50	1.70	K14330121_1K3V091
	140	50x118	50	1.70	K14330141_1K3V118
	160	50x118	50	1.70	K14330161_1K3V118
	180	50x118	50	1.70	K14330181_1K3V118

PLEASE TO CONTACT OUR TECHNICAL SERVICE FOR MORE INFORMATION OR SPEC-IN ANALYSIS

Starker Partner - starker Service!

IVD

- Kondensatoren
- Löttechnik
- elektronische Bauelemente

Vertrieb in Deutschland:
IVD GmbH
D-74405 Gaildorf
T.: 079 71 97 89 0
m.:info@ivdgmbh.de
www.ivdgmbh.de

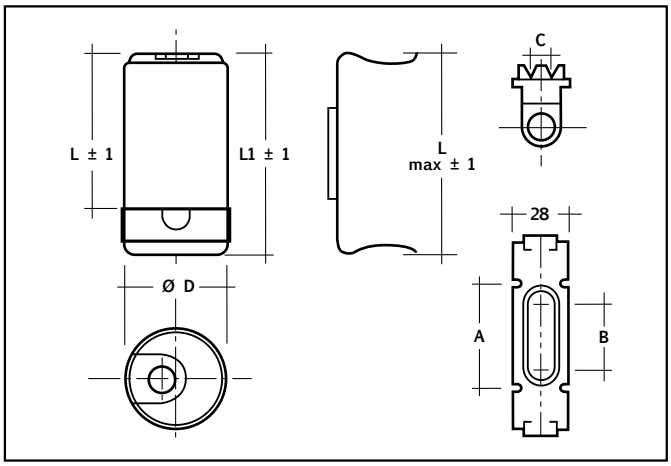
K13 TYPE MOTOR START

RoHS Compliant

- **Surge-proof electrolytic capacitor in plastic case.**
- **Poles brought out to single or double fast-on terminals**
- **Normally supplied with end cup.**
- **On request: bipolar cable, discharge resistance, metal mounting bracket, with or without cover.**

APPLICATIONS

Non polarized capacitor especially designed for intermittent A.C. voltage applications at 50-60 Hz for single phase motor starting.



	Case			Bracket		
	Ø est. mm.	L mm.	L1 mm.	Lmax mm.	A mm.	B x C mm.
A2	38	85.7	98.4	104	53	37 x 6.1
B2	46	85.7	98.4	104	53	37 x 6.1

Operating Temperature Range	(Operating) -25°C +75°C (Storage) -40°C +85°C
Working Voltage Range	from 125V AC to 320V AC
Capacitance Range	from 25 µF to 800 µF
Capacitance Tolerance	-0% +25% or ±10%
Tan δ (Dissipation loss angle)	Measurement frequency: 100 Hz, temperature 20°C Value shall not exceed 0.10 and shall be calculated as follows: tan d = W / (V x I) = (true watts / apparent watts)
Capacitance Measurement	Capacitance shall be determined by measuring the current (after 2÷3 seconds of energising) through the capacitors at rated voltage and frequency. The capacitance is defined from the following formula: $C = (I \times 10^6) / 2 p p x f V$ C = capacitance in µF I = current in Amperes π = 3.14 constant f = frequency in Hz V = applied AC voltage in Volt
Working condition	The standard time rating defined of the IEC 252 is 1.67% or 1/60th full time and corresponds to a duty cycle of 3 seconds on and 177 seconds off. Alternative customer duty is available on request.
Endurance test	500 hours
Electrolyte	All the capacitors of this series have self-extinguishing electrolyte in accordance with IEC EN 60695-11-10
Reference standards	IEC EN 60252-2

K13 TYPE STANDARD RATINGS

RoHS Compliant

VOLTAGE

125VAC

Cap μF	PART NUMBER digit_15=0 no cover	PART NUMBER digit_15=1 with cover	PART NUMBER digit_15=2 with cover + bracket	PART NUMBER digit_15=3 with bipolar cable no cover
100-125	K13125100000000B2	K13125100000001B2	K13125100000002B2	K13125100000003B2
125-160	K13125125000000B2	K13125125000001B2	K13125125000002B2	K13125125000003B2
160-200	K13125160000000B2	K13125160000001B2	K13125160000002B2	K13125160000003B2
200-250	K13125200000000B2	K13125200000001B2	K13125200000002B2	K13125200000003B2
250-315	K13125250000000B2	K13125250000001B2	K13125250000002B2	K13125250000003B2
315-400	K13125315000000B2	K13125315000001B2	K13125315000002B2	K13125315000003B2
600	K13125600000000B2	K13125600000001B2	K13125600000002B2	K13125600000003B2
800	K13125800000000B2	K13125800000001B2	K13125800000002B2	K13125800000003B2

VOLTAGE

250VAC

Cap μF	PART NUMBER digit_15=0 no cover	PART NUMBER digit_15=1 with cover	PART NUMBER digit_15=2 with cover + bracket	PART NUMBER digit_15=3 with bipolar cable no cover
25-31	K13250025000000B2	K13250025000001B2	K13250025000002B2	K13250025000003B2
31-40	K13250031000000B2	K13250031000001B2	K13250031000002B2	K13250031000003B2
40-50	K13250040000000B2	K13250040000001B2	K13250040000002B2	K13250040000003B2
50-63	K13250050000000B2	K13250050000001B2	K13250050000002B2	K13250050000003B2
63-80	K13250063000000B2	K13250063000001B2	K13250063000002B2	K13250063000003B2
80-100	K13250080000000B2	K13250080000001B2	K13250080000002B2	K13250080000003B2
100-125	K13250100000000B2	K13250100000001B2	K13250100000002B2	K13250100000003B2
125-160	K13250125000000B2	K13250125000001B2	K13250125000002B2	K13250125000003B2
160-200	K13250160000000B2	K13250160000001B2	K13250160000002B2	K13250160000003B2
200-250	K13250200000000B2	K13250200000001B2	K13250200000002B2	K13250200000003B2
250-315	K13250250000000B2	K13250250000001B2	K13250250000002B2	K13250250000003B2
315-400	K13250315000000B2	K13250315000001B2	K13250315000002B2	K13250315000003B2
400	K13250400000000B2	K13250400000001B2	K13250400000002B2	K13250400000003B2
500	K13250500000000B2	K13250500000001B2	K13250500000002B2	K13250500000003B2

VOLTAGE

320VAC

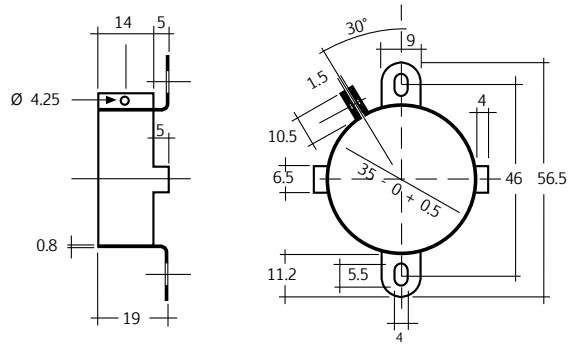
Cap μF	PART NUMBER digit_15=0 no cover	PART NUMBER digit_15=1 with cover	PART NUMBER digit_15=2 with cover + bracket	PART NUMBER digit_15=3 with bipolar cable no cover
25-31	K13320025000000B2	K13320025000001B2	K13320025000002B2	K13320025000003B2
31-40	K13320031000000B2	K13320031000001B2	K13320031000002B2	K13320031000003B2
40-50	K13320040000000B2	K13320040000001B2	K13320040000002B2	K13320040000003B2
50-63	K13320050000000B2	K13320050000001B2	K13320050000002B2	K13320050000003B2
63-80	K13320063000000B2	K13320063000001B2	K13320063000002B2	K13320063000003B2
80-100	K13320080000000B2	K13320080000001B2	K13320080000002B2	K13320080000003B2
100-125	K13320100000000B2	K13320100000001B2	K13320100000002B2	K13320100000003B2
125-160	K13320125000000B2	K13320125000001B2	K13320125000002B2	K13320125000003B2
160-200	K13320160000000B2	K13320160000001B2	K13320160000002B2	K13320160000003B2
200-250	K13320200000000B2	K13320200000001B2	K13320200000002B2	K13320200000003B2
250-315	K13320250000000B2	K13320250000001B2	K13320250000002B2	K13320250000003B2

Note: P/N code B2 as example

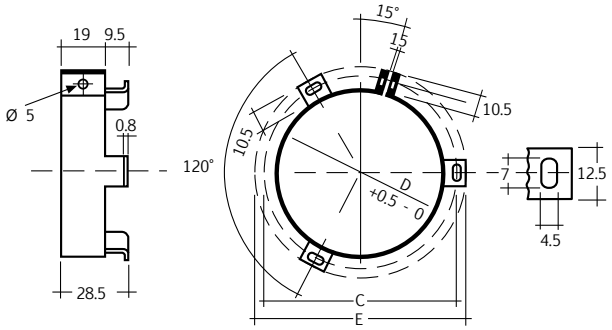
MOUNTING ACCESSORIES FOR THE SCREW TYPE CAPACITORS
dimensions in mm

CAP diameter ø mm	C hole distance	E max width	ORDERING CODE	unit WEIGTH grams (±0.5)
35	46.0	56.5	16035000000000000	11.0
51	63.5	73.4	16050000000000000	22.0
63	76.0	86.1	16064000000000000	26.0
76	89.0	98.6	16076000000000000	27.0
90	107.0	116.0	16090000000000000	62.0

RING CLIPS Ø 35mm



RING CLIPS Ø 51-63-76 mm



RING CLIPS Ø 90mm