

Product data sheet

Specifications



Contactors

KME 9-95A EKF

IEC 60947-4-1

Product line	EKF
Series name	KME
Product type	Contactors
[Uc] control circuit voltage	230V, 400V AC 50/60 Hz
[Ue] rated operational voltage	Power circuit: $\leq 690V$ AC
[Ie] rated operational current	9A to 95A (at $\leq +40C$) at $\leq 400V$ AC-3 for power circuit 12A to 125A (at $\leq +40C$) at $\leq 400V$ AC-1 for power circuit
Main poles description	3P (3NO)
Utilisation category	AC-1, AC-3
[Uimp] rated impulse withstand voltage (conforming to IEC 60947)	6 kV – KME 9A, KME 12A, KME 18A 8 kV - KME 25A, KME 32A, KME 40A, KME 50A, KME 65A, KME 80A, KME 95A
Auxiliary contact composition	1NO or 1NC: KME 9A, KME 12A, KME 18A, KME 25A, KME 32A 1NO and 1NC: KME 40A, KME 50A, KME 65A, KME 80A, KME 95A
Control circuit voltage limits	0,3...0,6 U _c (-40...50 °C): drop-out AC 0,8...1,1 U _c (-40...50 °C): operational AC
Power consumption of control coil at U _c	
KME 9A, KME 12A, KME 18A	Inrush power ≈ 60 VA Hold-in power consumption ≈ 7 VA
KME 25A, KME 32A	Inrush power ≈ 90 VA Hold-in power consumption $\approx 7,5$ VA
KME 40A, KME 50A, KME 65A, KME 80A, KME 95A	Inrush power ≈ 200 VA Hold-in power consumption ≈ 20 VA
Motor power	2,2 kW to 25 kW (at $\leq +40C$) at 220...230 V AC 50/60 Hz (AC-3) 4 kW to 45 kW (at $\leq +40C$) at 380...400 V AC 50/60 Hz (AC-3) 5,5 kW to 45 kW (at $\leq +40C$) at 660...690 V AC 50/60 Hz (AC-3)
Mechanical durability (x10 ⁶ cycles)	
KME 9A, KME 12A, KME 18A	15 cycles
KME 25A	12 cycles
KME 32A, KME 40A, KME 50A, KME 65A	10 cycles
KME 80A	5 cycles
KME 95A	4 cycles

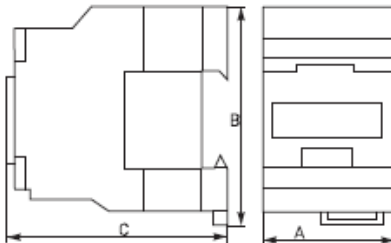


EKF

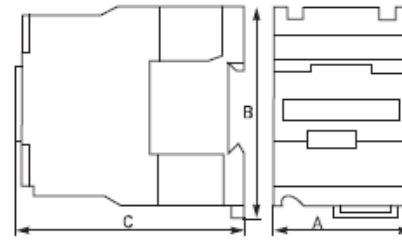
Electrical durability (x10 ⁶ cycles)	
KME 9A, KME 12A, KME 18A	1,65 cycles AC-3 at Ue ≤ 400 V 1,43 cycles AC-1 at Ue ≤ 400 V
KME 25A	1,21 cycles AC-3 at Ue ≤ 400 V 1,43 cycles AC-1 at Ue ≤ 400 V
KME 32A, KME 40A, KME 50A, KME 65A	1,1 cycles AC-3 at Ue ≤ 400 V 1,43 cycles AC-1 at Ue ≤ 400 V
KME 80A	0,99 cycles AC-3 at Ue ≤ 400 V 1,1 cycles AC-1 at Ue ≤ 400 V
KME 95A	0,77 cycles AC-3 at Ue ≤ 400 V 0,77 cycles AC-1 at Ue ≤ 400 V
Mounting support	DIN rail, plate
Operating temperatures [°C]	-25... +50
Standard	IEC 60947-4-1
Warranty period	7 years

Overall dimensions:

1NC or 1NO:
 KME 9A; KME 12A; KME 18A



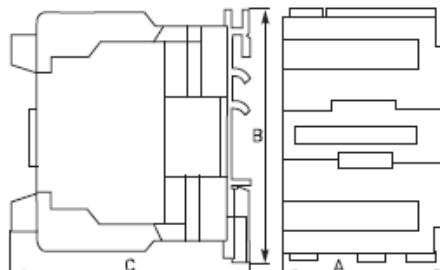
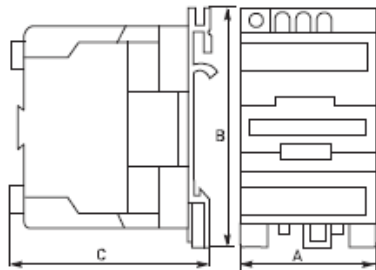
1NC or 1NO:
 KME 25A; KME 32A



Overall dimensions, mm	KME 9A	KME 12A	KME 18A	KME 25A	KME 32A
A	45	45	45	56	56
B	74	74	74	84	84
C	80	80	80	93	98

1NO+1NC: KME 40A; KME 50A; KME 65A

1NO+1NC: KME 80A; KME 95A



Overall dimensions, mm	KME 40A	KME 50A	KME 65A	KME 80A	KME 95A
A	74	74	74	84	84
B	127	127	127	127	127
C	114	114	114	125	125