

## Technical Specifications

### AC Contactor

	<b>M06 -6A</b>	<b>M06 -9A</b>	<b>K09-9A-1</b>	<b>K09 12A</b>	<b>KNC1 -0911</b>	<b>KNC1 -1211</b>	<b>KNC1 -1811</b>
Use Category	AC 3	AC 3	AC 3	AC 3	AC 3	AC 3	AC 3
Nominal Current (A)	6	9	9	12	9	12	18
Nominal Insulation Voltage (V)	690	690	690	690	690	690	690
Nominal Resistance to Impact Voltage Uimp (kV)	6	6	6	6	6	6	6
Thermal Current I th( A)	20	20	20	20	20	20	32
Motor Control 3 ph AC A/K (kW)	220 V/1,5 380 V/2,2 660 V/3	1,5 2,2 3	2,2 4 4	2,2 4 4	2,2 4 5,5	3 5,5 7,5	4 7,5 9
Mechanical Life (A/K/A/K (Hour))	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000	1 000 000
Electrical Life (A/K/A/K (Hour))	100 000	100 000	100 000	100 000	100 000	100 000	100 000
Number of Auxiliary Contacts	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK
Conductor Section (mm <sup>2</sup> )	1	1	1	1	1,5	1,5	2,5
Metric Bolt (M)	M3	M3	M3	M3	M3,5	M3,5	M3,5
Max. tightening torque (Nm)	0,6N	0,6N	0,6N	0,6N	0,8N	0,8N	0,8N
Operation Frequency (Hz)	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Protection Class	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Weight (Kg)	0,355	0,355	0,355	0,355	0,355	0,355	0,355

	<b>KNC1 -2511</b>	<b>KNC1 -3211</b>	<b>KNC1 -4011</b>	<b>KNC1-5011</b>	<b>KNC1-6511</b>	<b>KNC1-8011</b>	<b>KNC1-9511</b>
Use Category	AC 3	AC 3	AC 3	AC 3	AC 3	AC 3	AC 3
Nominal Current (A)	25	32	40	50	65	80	95
Nominal Insulation Voltage (V)	690	690	690	690	690	690	690
Nominal Resistance to Impact Voltage Uimp (kV)	8	8	8	8	18,5	22	25
Thermal Current I th( A)	50	50	60	80	80	125	125
Motor Control 3 ph AC A/K (kW)	5,5 11 15	7,5 15 18,5	11 18,5 30	15 22 33	18,5 30 37	22 37 45	25 45 45
Mechanical Life (A/K/A/K (Hour))	1 000 000	800 000	800 000	800 000	800 000	600 000	600 000
Electrical Life (A/K/A/K (Hour))	100 000	80 000	80 000	80 000	80 000	60 000	60 000
Number of Auxiliary Contacts	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK
Conductor Section (mm <sup>2</sup> )	4	6	10	10	16	25	35
Metric Bolt (M)	M4	M4	M4	M8	M8	M8	M10
Max. tightening torque (Nm)	1,2N	1,2N	1,2N	3,5N	3,5N	3,5N	4N
Operation Frequency (Hz)	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Protection Class	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20
Weight (Kg)	0,549	0,553	1,125	1,128	1,130	1,375	1,375

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### AC Capacitive Contactor

	<b>KNC19 -09</b>	<b>KNC19 -12</b>	<b>KNC19 -18</b>	<b>KNC19 -25</b>	<b>KNC19 -32</b>
Use Category	AC - 6b	AC - 6b	AC - 6b	AC - 6b	AC - 6b
Nominal Current (A)	9	12	18	25	32
Nominal Insulation Voltage (V)	660	660	660	660	660
Nominal Resistance to Impact Voltage Uimp (kV)	6	6	6	8	8
Thermal Current I th( A)	20	20	32	50	50
3 ph AC A/K 400/440 V (kVAr)	4	6	9	12	18
Mechanical Life (A/K/A/K (Hour))	1 000 000	1 000 000	1 000 000	1 000 000	800 000
Electrical Life (A/K/A/K (Hour))	100 000	100 000	100 000	100 000	80 000
Number of Auxiliary Contacts	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK
Conductor Section (mm <sup>2</sup> )	1,5	1,5	2,5	4	6
Metric Bolt (M)	M3,5	M3,5	M3,5	M4	M4
Max. tightening torque (Nm)	0,8N	0,8N	0,8N	1,2N	1,2N
Operation Frequency (Hz)	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Protection Class	IP 20	IP 20	IP 20	IP 20	IP 20
Weight (Kg)	0,432	0,437	0,437	0,622	0,633

	<b>KNC19 -40</b>	<b>KNC19 -50</b>	<b>KNC19 -65</b>	<b>KNC19 -80</b>	<b>KNC19 -95</b>
Use Category	AC - 6b	AC - 6b	AC - 6b	AC - 6b	AC - 6b
Nominal Current (A)	40	50	65	80	95
Nominal Insulation Voltage (V)	660	660	660	660	660
Nominal Resistance to Impact Voltage Uimp (kV)	8	8	18,5	22	25
Thermal Current I th( A)	60	80	80	125	125
3 ph AC A/K 400/440 V (kVAr)	20	25	30	36	45
Mechanical Life (A/K/A/K (Hour))	800 000	800 000	800 000	600 000	600 000
Electrical Life (A/K/A/K (Hour))	80 000	80 000	80 000	60 000	60 000
Number of Auxiliary Contacts	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK	1NA or 1NK
Conductor Section (mm <sup>2</sup> )	10	10	16	25	35
Metric Bolt (M)	M4	M8	M8	M8	M10
Max. tightening torque (Nm)	1,2N	3,5N	3,5N	3,5N	4N
Operation Frequency (Hz)	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Protection Class	IP 20	IP 20	IP 20	IP 20	IP 20
Weight (Kg)	1,204	1,209	1,209	1,451	1,451