

# PhaseCap Compact

Technical data and limit values		
Standards IEC 60831-1+2, EN 60831-1+2		
Overvoltage	$V_{\max}$	$V_R + 10\%$ (up to 8 h daily) / $V_R + 15\%$ (up to 30 min daily) / $V_R + 20\%$ (up to 5 min daily) / $V_R + 30\%$ (up to 1 min daily)
Overcurrent	$I_{\max}$	up to $1.5 \dots 2.0 \cdot I_R$ (including combined effects of harmonics, overvoltages and capacitance tolerance) depending on the individual type
Inrush current	$I_s$	up to $300 \cdot I_R$
Losses: - Dielectric - Total*		< 0.2 W/kvar < 0.45 W/kvar
Rated frequency	f	50/60 Hz
Capacitance tolerance		-5% / +10%
Test voltage, terminal / terminal	$V_{TT}$	$2.15 \cdot V_{R1}$ , AC, 10 s
Test voltage, terminal / case	$V_{TC}$	up to $V_R \leq 660$ V: 3000 V AC, 10 s; above $V_R = 660$ V: 6000 V AC, 10 s
Mean life expectancy	$t_{LD(Co)}$	up to 180 000 h @ temperature class -40/C up to 130 000 h @ temperature class -40/D
Operating temperature		<u>Temperature class -40/D:</u> max. short time 55 °C, max. mean 24 h = 45 °C; max. mean 1 year = 35 °C; lowest temperature = -40 °C <u>Temperature class -40/C:</u> max. short time 50 °C, max. mean 24 h = 40 °C; max. mean 1 year = 30 °C; lowest temperature = -40 °C
Humidity	$H_{rel}$	max. 95%
Altitude		max. 4000 m above sea level
Mounting position		upright/horizontal
Mounting and grounding		threaded M12 stud on bottom of case
Safety		self-healing, overpressure disconnecter
Discharge module		ceramic discharge module pre-mounted, discharge to $\leq 75$ V in 60 s; $\leq 75$ V in 90 s for special types (please refer to the individual data sheet)
Case		extruded aluminum can
Enclosure		IP20, indoor mounting (optionally with terminal cap for IP54)
Dielectric		polypropylene film
Impregnation		semi-dry biodegradable resin
Terminals		terminal strip with electric shock protection (IP20), (VDE 0106 part 100), for current and connection cable details and the terminal type – capacitor type association please refer to the terminal drawings and the capacitor type list
Number of switching operations		max. 10000 switchings with inrush current damping per year

\* without discharge resistors

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## Technical data and ordering codes

Ordering code	50 Hz		60 Hz		C <sub>R</sub> μF	Weight kg	d x h mm	Terminal type <sup>1)</sup>	Packing unit <sup>2)</sup>
	Output kvar	I <sub>R</sub> A	Output kvar	I <sub>R</sub> A					
<b>Rated voltage 230 V AC</b>									
B25673A2052A040	5.0	12.6	6.0	15.1	3 x 100.3	1.2	85 x 200	A	9
B25673A2072A540	7.5	18.8	9.0	22.6	3 x 150.5	1.7	100 x 200	B	6
B25673A2102A040	10.0	25.1	12.0	30.1	3 x 200.7	2.2	116 x 200	B	4
B25673A2122A540	12.5	31.4	15.0	37.7	3 x 250.8	2.2	116 x 200	B	4
<b>Rated voltage 400 V AC</b>									
B25673A4052A000	5.0	7.2	6.0	8.7	3 x 33.2	0.7	85 x 125	A	9
B25673A4072A500	7.5	10.8	9.0	13.0	3 x 49.8	1.0	85 x 162	A	9
B25673A4102A000	10.0	14.4	12.0	17.3	3 x 66.3	1.0	85 x 162	A	9
B25673A4122A500	12.5	18.0	15.0	21.7	3 x 82.9	1.4	100 x 162	B	6
B25673A4152A000	15.0	21.7	18.0	26.0	3 x 99.5	1.4	100 x 162	B	6
B25673A4201A000	20.0	28.9	24.0	34.6	3 x 132.7	1.7	100 x 200	B	6
B25673A4252A000	25.0	36.1	30.0	43.4	3 x 165.9	2.2	116 x 200	B	4
<b>Rated voltage 415 V AC</b>									
B25673A4052A010	5.0	7.0	6.0	8.4	3 x 30.8	0.7	85 x 125	A	9
B25673A4062A010	6.2	8.6	7.4	10.4	3 x 38.2	1.0	85 x 162	A	9
B25673A4102A010	10.4	14.5	12.5	17.4	3 x 64.1	1.4	100 x 162	B	6
B25673A4122A510	12.5	17.4	15.0	20.9	3 x 77	1.7	100 x 200	B	6
B25673A4152A010	15.0	20.9	18.0	25.1	3 x 92.5	1.7	100 x 200	B	6
B25673A4202A810	20.8	29.0	25.0	34.8	3 x 128.2	2.2	116 x 200	B	4
B25673A4282A140	28.1	36.9	-	-	3 x 154.1	3.2	136 x 200	C	2
<b>Rated voltage 440 V AC</b>									
B25673A4052A040	5.0	6.6	6.0	7.9	3 x 27.4	0.7	85 x 125	A	9
B25673A4072A540	7.5	9.8	9.0	11.8	3 x 41.1	1.0	85 x 162	A	9
B25673A4102A040	10.4	13.7	12.5	16.4	3 x 57	1.4	100 x 162	B	6
B25673A4122A540	12.5	16.4	15.0	19.7	3 x 68.5	1.4	100 x 162	B	6
B25673A4152A040	15.0	19.7	18.0	23.6	3 x 82.2	1.7	100 x 200	B	6
B25673A4202A040	20.0	26.2	24.0	31.5	3 x 109.7	2.2	116 x 200	B	4
B25673A4252A040	25.0	32.8	30.0	39.4	3 x 137.1	2.2	116 x 200	B	4
B25673A4282A140	28.1	36.9	-	-	3 x 154.1	3.2	136 x 200	C	2
B25673A4302A040	30.0	39.4	-	-	3 x 164	3.2	136 x 200	C	2
B25673A4332A040	33.0	43.0	-	-	3 x 181	3.2	136 x 200	C	2
<b>Rated voltage 480 V AC</b>									
B25673A4062A380	6.3	7.5	7.6	9.0	3 x 29	1.0	85 x 162	A	9
B25673A5102A020	8.3	10.0	10.0	12.0	3 x 38.5	1.4	100 x 162	B	6
B25673A5122A520	10.4	12.5	12.0	15.0	3 x 48.1	1.7	100 x 200	B	6
B25673A4122A580	12.5	15.0	15.0	18.0	3 x 57.6	1.7	100 x 200	B	6
B25673A4152A080	15.0	18.0	18.0	21.7	3 x 69.1	1.7	100 x 200	B	6
B25673A4202A080	20.0	24.1	24.0	28.9	3 x 92.2	2.2	116 x 200	B	4
B25673A4252A080	25.0	30.1	30.0	36.1	3 x 115.2	3.2	136 x 200	C	2
B25673A4282A080	28.0	33.7	-	-	3 x 129	3.2	136 x 200	C	2
B25673A4302A080	30.0	36.1	-	-	3 x 138	3.2	136 x 200	C	2
<b>Rated voltage 525 V AC</b>									
B25673A5082A320	8.3	9.1	10.0	11.0	3 x 32	1.4	100 x 162	B	6
B25673A5102A020	10.0	11.0	12.0	13.2	3 x 38.5	1.4	100 x 162	B	6
B25673A5122A520	12.5	13.8	15.0	16.5	3 x 48.1	1.7	100 x 200	B	6
B25673A5152A020	15.0	16.5	18.0	19.8	3 x 57.8	1.7	100 x 200	B	6
B25673A5162A720	16.7	18.4	20.0	22.0	3 x 64.3	2.2	116 x 200	B	4
B25673A5202A020	20.0	22.0	24.0	26.4	3 x 77	2.2	116 x 200	B	4
B25673A5252A020	25.0	27.5	-	-	3 x 96.3	3.2	136 x 200	C	2
B25673A5302A020	30.0	33.0	-	-	3 x 115.5	3.2	136 x 200	C	2

1) For details contact your local sales office or use the relevant data sheet.

2) Packing units are equal to minimum order quantity and will be rounded up to packing unit or multiple thereof.

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