



CLZ-FP-69/50-60Hz-HD

CLZ-FP-69/50-60Hz-HD, Three-phase tubular power capacitor 60 Hz

Code: R2H69S.

- > Terminal: C
- > Frequency (Hz): 60
- > kvar (660 V): 45,75
- > kvar (690 V): 50
- > Use voltage (V): 690

Specifications

AC power supply

Frequency	60 Hz
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Electrical characteristics

Losses (W)	Dielectric: < 0,2 W / kvar Total: < 0,4 W / kvar
Discharge resistance	50 V / 1 min (0,5 - 30 kvar) 75 V / 3 min (33 - 50 kvar)
Surge	10 % 8h in 24 h 15 % up to 30 min in 24 hours 20 % up to 5 min in 24 hours 30 % up to 1 min in 24 hours
Tolerance C	-5 ... +10 %
Maximum phase current	400 x In
Maximum transient current	1,8 In
Voltage	690 V
Insulation voltage, circuit	3 / 8 kV

Mechanical characteristics

Size (mm) width x height x depth	136 x 390 x 136 (mm)
Envelope	Aluminum
Fastening	M12 fastening screws earth conductor
Ventilation	Natural or forced depending on the cabinet
Weight (kg)	5

Environmental characteristics

Protection class	IP 20 / IP 54 with terminal cover (optional) (for models Ø 85, 100, 116 mm)
Relative humidity (without condensation)	95%
Installation, location, position.	Vertical / Horizontal. Minimum distance between condensers 2 cm.
Working temperature	Tª class D: Daily average: 45 °C, annual average: 35 °C, maximum: 65 °C, minimum: -50 °C

Standards

Certifications	VDE 560
Electrical safety, Maximum height (m)	4000
Standards	IEC 60831-1-1/2

Protection

Circuit breaker type	Dielectric regeneration Expansion system
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CLZ-FP HD 60Hz

CODE	TYPE	kvar (230 V)	kvar (240 V)	Use voltage (V)	kvar (400 V)	kvar (440 V)	kvar (460 V)	kvar (480 V)	kvar (525 V)	kvar (600 V)	kvar (660 V)	kvar (690 V)
Faston terminal, Un = 3 x 240 V / 60 Hz												
R2H622.	CLZ-FPT-24/2,5-60Hz-HD	2,3	2,5	240								
Terminal block, Un = 3 x 240 V / 60 Hz												
R2H626.	CLZ-FP-24/5-60Hz-HD	4,6	5	240								
R2H627.	CLZ-FP-24/6,25-60Hz-HD	5,75	6,25	240								
R2H628.	CLZ-FP-24/7,5-60Hz-HD	6,9	7,5	240								
R2H62B.	CLZ-FP-24/10-60Hz-HD	9,2	10	240								
R2H62D.	CLZ-FP-24/12,5-60Hz-HD	11,5	12,5	240								
R2H62E.	CLZ-FP-24/15-60Hz-HD	13,8	15	240								
Faston terminal, Un = 3 x 440 V / 60 Hz												
R2H641.	CLZ-FPT-44/1,25-60Hz-HD			400 440	1	1,25						
R2H642.	CLZ-FPT-44/2,5-60Hz-HD			400 440	2,1	2,5						
R2H643.	CLZ-FPT-44/3-60Hz-HD			400 440	2,5	3						
R2H644.	CLZ-FPT-44/3,75-60Hz-HD			400 440	3,1	3,75						
R2H646.	CLZ-FPT-44/5-60Hz-HD			400 440	4,15	5						
Terminal block, Un = 3 x 440 V / 60 Hz												
R2H647.	CLZ-FP-44/6,25-60Hz-HD			400 440	5,2	6,25						
R2H648.	CLZ-FP-44/7,5-60Hz-HD			400 440	6,2	7,5						
R2H64B.	CLZ-FP-44/10-60Hz-HD			400 440	8,3	10						
R2H64D.	CLZ-FP-44/12,5-60Hz-HD			400 440	10,3	12,5						
R2H64E.	CLZ-FP-44/15-60Hz-HD			400 440	12,4	15						
R2H64J.	CLZ-FP-44/20-60Hz-HD			400 440	16,5	20						
R2H64L.	CLZ-FP-44/25-60Hz-HD			400 440	20,7	25						
R2H64N.	CLZ-FP-44/30-60Hz-HD			400 440	24,8	30						
R2H64R.	CLZ-FP-44/40-60Hz-HD			400 440	33,1	40						
R2H64S.	CLZ-FP-44/50-60Hz-HD			400 440	41,3	50						
Faston terminal, Un = 3 x 480 V / 60 Hz												
R2H762.	CLZ-FPT-48/2,5-60Hz-HD			480			2,3	2,5				
R2H766.	CLZ-FPT-48/5-60Hz-HD			480			4,6	5				
R2H767.	CLZ-FPT-48/6,25-60Hz-HD			480			5,75	6,25				
R2H768.	CLZ-FPT-48/7,5-60Hz-HD			480			6,9	7,5				
Terminal block, Un = 3 x 480 V / 60 Hz												
R2H66B.	CLZ-FP-48/10-60Hz-HD			480			9,2	10				
R2H66D.	CLZ-FP-48/12,5-60Hz-HD			480			11,5	12,5				
R2H66E.	CLZ-FP-48/15-60Hz-HD			480			13,8	15				
R2H66J.	CLZ-FP-48/20-60Hz-HD			480			18,4	20				
R2H66L.	CLZ-FP-48/25-60Hz-HD			480			23	25				
R2H66N.	CLZ-FP-48/30-60Hz-HD			480			27,6	30				
R2H66R.	CLZ-FP-48/40-60Hz-HD			480			36,75	40				
R2H66S.	CLZ-FP-48/50-60Hz-HD			480			46	50				
Faston terminal, Un = 3 x 525 V / 60 Hz												



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R2H772.	CLZ-FPT-52/2,5-60Hz-HD			525				2,1	2,5			
R2H776.	CLZ-FPT-52/5-60Hz-HD			525				4,2	5			
R2H777.	CLZ-FPT-52/6,25-60Hz-HD			525				5,2	6,25			
R2H778.	CLZ-FPT-52/7,5-60Hz-HD			525				6,25	7,5			
Terminal block, Un = 3 x 525 V / 60 Hz												
R2H67A.	CLZ-FP-52/8,5-60Hz-HD			525				7,1	8,5			
R2H67B.	CLZ-FP-52/10-60Hz-HD			525				8,4	10			
R2H67C.	CLZ-FP-52/11,5-60Hz-HD			525				9,6	11,5			
R2H67D.	CLZ-FP-52/12,5-60Hz-HD			525				10,5	12,5			
R2H67E.	CLZ-FP-52/15-60Hz-HD			525				12,5	15			
R2H67I.	CLZ-FP-52/17-60Hz-HD			525				14,2	17			
R2H67J.	CLZ-FP-52/20-60Hz-HD			525				16,7	20			
R2H67K.	CLZ-FP-52/22,5-60Hz-HD			525				18,8	22,5			
R2H67L.	CLZ-FP-52/25-60Hz-HD			525				20,9	25			
R2H67N.	CLZ-FP-52/30-60Hz-HD			525				25	30			
R2H67P.	CLZ-FP-52/34-60Hz-HD			525				28,4	34			
R2H67R.	CLZ-FP-52/40-60Hz-HD			525				33,4	40			
Faston terminal, Un = 3 x 600 V / 60 Hz												
R2H782.	CLZ-FPT-60/2,5-60Hz-HD			600						2,5		
R2H786.	CLZ-FPT-60/5-60Hz-HD			600						5		
R2H787.	CLZ-FPT-60/6,25-60Hz-HD			600						6,25		
R2H788.	CLZ-FPT-60/7,5-60Hz-HD			600						7,5		
Terminal block, Un = 3 x 600 V / 60 Hz												
R2H68A.	CLZ-FP-60/10-60Hz-HD			600						10		
R2H68B.	CLZ-FP-60/12,5-60Hz-HD			600						12,5		
R2H68E.	CLZ-FP-60/15-60Hz-HD			600						15		
R2H68I.	CLZ-FP-60/17,5-60Hz-HD			600						17,5		
R2H68J.	CLZ-FP-60/20-60Hz-HD			600						20		
R2H68K.	CLZ-FP-60/21-60Hz-HD			600						21		
R2H68L.	CLZ-FP-60/25-60Hz-HD			600						25		
R2H68N.	CLZ-FP-60/30-60Hz-HD			600						30		
R2H68P.	CLZ-FP-60/34,5-60Hz-HD			600						34,5		
Faston terminal, Un = 3 x 690 V / 60 Hz												
R2H792.	CLZ-FPT-69/2,5-60Hz-HD			690							2,3	2,5
R2H796.	CLZ-FPT-69/5-60Hz-HD			690							4,6	5
R2H798.	CLZ-FPT-69/7,5-60Hz-HD			690							6,9	7,5
Terminal block, Un = 3 x 690 V / 60 Hz												
R2H69B.	CLZ-FP-69/10-60Hz-HD			690							9,15	10
R2H69D.	CLZ-FP-69/12,5-60Hz-HD			690							11,4	12,5
R2H69E.	CLZ-FP-69/15-60Hz-HD			690							13,7	15
R2H69J.	CLZ-FP-69/20-60Hz-HD			690							18,3	20
R2H69L.	CLZ-FP-69/25-60Hz-HD			690							22,9	25
R2H69N.	CLZ-FP-69/30-60Hz-HD			690							27,5	30



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R2H69R.	CLZ-FP-69/40-60Hz-HD			690							36,6	40
R2H69S.	CLZ-FP-69/50-60Hz-HD			690							45,75	50



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Dimensions

