



CLZ-FP-69/10-60Hz-HD

CLZ-FP-69/10-60Hz-HD, Three-phase tubular power capacitor 60 Hz

Code: R2H69B.

- > Terminal: A
- > Frequency (Hz): 60
- > kvar (660 V): 9,15
- > kvar (690 V): 10
- > Cover (opc.): 1
- > 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	85 x 276 x 85 (mm)
Envelope	Aluminum
Fastening	M12 fastening screws earth conductor
Ventilation	Natural or forced depending on the cabinet
Weight (kg)	1,5

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



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Protection

Circuit breaker type

Dielectric regeneration Expansion system



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CLZ-FP HD 60Hz

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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

