

Product designation			Power contactor
Product type designation			BFK115
Contact characteristics			
Number of poles	Nr.	3	
Rated insulation voltage Ui IEC/EN	V	690	
Rated impulse withstand voltage Uimp	kV	8	
Operational frequency	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	A	160	
Rated operational power AC-6b (T≤40°C)	230V	kvar	45
	400V	kvar	75
	440...480V	kvar	85
	690V	kvar	135
Short-time allowable current for 10s (IEC/EN60947-1)	A	920	
Protection fuse	gG (IEC)	A	160
Making capacity (RMS value)	A	1500	
Breaking capacity at voltage	440V	A	1200
	500V	A	850
	690V	A	905
Resistance per pole (average value)	mΩ	0.45	
Power dissipation per pole (average value)	Ith	W	11.5
Tightening torque for terminals	min	Nm	6
	max	Nm	7
	min	Ibin	4.4
	max	Ibin	5.2
Tightening torque for coil terminal	min	Nm	0.8
	max	Nm	1
	min	Ibin	Prodotti finiti
	max	Ibin	Prodotti finiti
Max number of wires simultaneously connectable	Nr.	2	
Conductor section	Flexible w/o lug conductor section		
	min	mm²	1.5
	max	mm²	70
	Flexible c/w lug conductor section		
	min	mm²	1.5
	max	mm²	70
Power terminal protection according to IEC/EN 60529	IP20 front		
Mechanical features			
Operating position	normal allowable	Vertical plan ±30°	
Fixing	Screw / DIN rail 35mm		
Weight	g	2095	
Operations			

Safety related data	
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Performance level B10d according to EN/ISO 13489-1

EMC compatibility	Yes
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AC coil operating

AC operating voltage

	Max	700	50
Max cycles frequency			

Mechanical operation	cycles/h	1500
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Average time for Us control in AC

UL technical data

## General USE

	100	100	100
Ambient conditions			

## Temperature

Max altitude	m	3000
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## Resistance & Protection

Dimensions

## Wiring diagrams

## Certifications and compliance

## Compliance

CE 60017-111

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Certificates

CCC

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cULus

ETIM classification

ETIM 8.0

EC001079 -  
Capacitor  
contactor