

**ENERGY AND AUTOMATION** 

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 230VAC 60HZ

Product type designation  Contact characteristics  Number of poles  Rated insulation voltage Ui IEC/EN  Rated impulse withstand voltage Uimp  Operational frequency		Nr.	BFK150 3
Number of poles Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp			2
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp			2
Rated impulse withstand voltage Uimp			
		V	690
Operational frequency		kV	8
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	165
Rated operational power AC-6b (T≤40°C)			
	230V	kvar	50
	400V	kvar	100
	440480V	kvar	115
	690V	kvar	150
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1200
Protection fuse			
	gG (IEC)	Α	160
Making capacity (RMS value)		Α	1500
Breaking capacity at voltage			
	440V	Α	1200
	500V	Α	1025
	690V	Α	905
Resistance per pole (average value)		mΩ	0.45
Power dissipation per pole (average value)			
	lth	W	12
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	lbin	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		Vertical plan
	allowable		±30°
Fixing			Screw / DIN rail
			35mm
Weight		g	2095
Operations			



**ENERGY AND AUTOMATION** 

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 230VAC 60HZ

Mechanical life			cycles	15000000
Electrical life			cycles	800000
Safety related data				
Performance level B1	0d according to EN/ISO 13489-1			
		rated load	cycles	400000
		mechanical load	cycles	15000000
EMC compatibility				Yes
Rated AC voltage at 6	0Hz		V	230
AC coil operating				
AC operating voltage	of COLLE acil reguered at COLLE			
	of 60Hz coil powered at 60Hz pick-up			
	ріск-ир	min	%Us	80
		max	%Us	110
	drop-out		,,,,,	
	1	min	%Us	20
		max	%Us	55
AC average coil consu	umption at 20°C			_
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	300
		holding	VA	20
	of 50/60Hz coil powered at 60Hz			
		in-rush	VA	300
		holding	VA	17
	of 60Hz coil powered at 60Hz	1		000
		in-rush	VA VA	300
Dissipation at holding	<20°C 50H <sub>7</sub>	holding	W	6.5
Max cycles frequency	320 C 30HZ		VV	0.5
Mechanical operation			cycles/h	1500
Operating times			0,0.00,	
Average time for Us of	ontrol			
ŭ	in AC			
	Closing NO			
		min	ms	16
		max	ms	32
	Opening NO			
		min	ms	9
		max	ms	24
UL technical data				
General USE	Contonton			
	Contactor	AC current	۸	165
Ambient conditions		AC current	Α	165
Temperature				
Tomporataro	Operating temperature			
	aparaming tomporators	min	°C	-50
		max	°C	70
	Storage temperature			
		min	°C	-60
		max	°C	80
Max altitude Resistance & Protecti			m	3000





**ENERGY AND AUTOMATION** 

CONTACTOR FOR POWER FACTOR CORRECTION WITH AC CONTROL CIRCUIT, BFK TYPE (INCLUDING LIMITING RESISTORS), MAXIMUM IEC OPERATIONAL POWER 400V = 100KVAR, COIL 230VAC 60HZ

Pollution degree 3 **Dimensions** Wiring diagrams Certifications and compliance Compliance CSA C22.2 n° 60947-1 CSA C22.2 n° 60947-4-1 IEC/EN 60947-1 IEC/EN 60947-4-1 UL 60947-1 UL 60947-4-1 Certificates CCC cULus ETIM classification EC001079 -**ETIM 8.0** Capacitor contactor