THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 150A, AC COIL 60HZ, 48VAC



Product designation Power contactor Product type designation BF150

Contact characteristics

Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	1000
Rated impulse withstand voltage Uimp		kV	8
Operational frequency			
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith		Α	165
Operational current le			
	AC-1 (≤40°C)	Α	165
	AC-1 (≤55°C)	Α	135
	AC-1 (≤70°C)	Α	118
	AC-3 (≤440V ≤55°C)	Α	150
	AC-4 (400V)	Α	70
Rated operational power AC-3 (T≤55°C)			
	230V	kW	45
	400V	kW	75
	415V	kW	75
	440V	kW	75
	500V	kW	90
	690V	kW	110
	1000V	kW	55
Rated operational current AC-3 (T≤55°C)	0001/		4.50
	230V	Α	150
	400V	A	150
	415V	A	150
	440V	A	150
	500V	A	128
	690V	A	113
IFC may aurrent to in DC4 with 1/D < 4ma with 4 malas in a min	1000V	A	51
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series	20A1	^	405
	≤24V	A	165
	48V	A	165
	75V	A	150
	110V	A	10
IEC may current to in DC1 with L/D < 1mg with 2 males in series	220V	A	
IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series	-0A1	۸	165
	≤24V	A	165
	48V	A	165
	75V	A	165
	110V 220V	A	150
	ZZUV	A	14

IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series



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	≤24V	Α	165
	48V	Α	165
	75V	Α	165
	110V	Α	160
	220V	Α	150
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series			
	≤24V	Α	165
	48V	Α	165
	75V	Α	165
	110V	Α	165
	220V	Α	165
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	Α	165
	48V	Α	60
	75V	Α	44
	110V	Α	6
	220V	Α	
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 2 poles in series		_	
	≤24V	Α	165
	48V	A	82
	75V	A	70
	110V	A	80
IFO many and the impossible L/D < 45 many the surface in a mine	220V	Α	7
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 3 poles in series	<04)/	۸	405
	≤24V 48V	A	165
	48 V 75 V	A	195
	110V	A A	110 120
	220V	A	120
IEC max current le in DC3-DC5 with L/R ≤ 15ms with 4 poles in series	220 V		120
120 max current to in 200-200 with E/N = 10m3 with 4 poles in 3ches	≤24V	Α	165
	48V	Α	130
	75V	A	130
	110V	Α	150
	220V	Α	150
Short-time allowable current for 10s (IEC/EN60947-1)		Α	1200
Protection fuse			
	gG (IEC)	Α	250
	aM (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)			
	Ith	W	12
	AC-3	W	10.1
Tightening torque for terminals			
	min	Nm	6
	max	Nm	7
	min	lbin	4.4
	max	lbin	5.2



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Γightening torque for c	oil terminal			
		min	Nm	0.8
		max	Nm	1
		min	Ibin	0.59
		max	Ibin	0.74
Conductor section				
oriadotor dodtion	AWG/Kcmil			
	AWGARGIIII	max		2/0
	Florible w/o lug conductor section	IIIdA		2/0
	Flexible w/o lug conductor section	min	mama ²	1 E
		min	mm²	1.5
		max	mm²	70
	Flexible c/w lug conductor section		•	
		min	mm²	1.5
		max	mm²	70
	tion according to IEC/EN 60529			IP20 front
Mechanical features				
Operating position				
		normal		Vertical plan
		allowable		±30°
Elvina				Screw / DIN rail
Fixing				35mm
Veight			g	2020
Operations				
Mechanical life			cycles	15000000
Electrical life			cycles	800000
Safety related data			0,0.00	
	Od according to EN/ISO 13489-1			
onomiano iovoi biv	sa according to 214100 To 100 T	rated load	cycles	800000
		mechanical load	cycles	15000000
			Cyclcs	1000000
-MC compatibility		THEOHAINOAN IOAA		VAS
EMC compatibility		medianical load	·	yes
AC coil operating	0H-	modification	-	
AC coil operating Rated AC voltage at 60	0Hz	modification	V	yes 48
AC coil operating Rated AC voltage at 60		modification	-	
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz	modification	-	
AC coil operating Rated AC voltage at 60			V	48
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz drop-out	max	-	
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz		V	48
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz drop-out	max	V %Us	48 55
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz		V %Us	48 55 80
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz	max	V %Us	48 55
	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz	max	V %Us	48 55 80
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up	max	V %Us	48 55 80
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up	max min max	V %Us %Us %Us	48 55 80 110
AC coil operating Rated AC voltage at 60 AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out	max min max min	V %Us %Us %Us %Us	48 55 80 110 20
AC coil operating Rated AC voltage at 60 AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out	max min max min	V %Us %Us %Us %Us	48 55 80 110 20
AC coil operating Rated AC voltage at 60 AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out	max min max min	V %Us %Us %Us %Us	48 55 80 110 20
AC coil operating Rated AC voltage at 60 AC operating voltage	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out	max min max min max	V %Us %Us %Us %Us %Us	48 55 80 110 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage AC average coil consu	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out imption at 20°C of 60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us VA VA	48 55 80 110 20 55 300 20
AC coil operating Rated AC voltage at 60 AC operating voltage AC average coil consults Dissipation at holding	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out imption at 20°C of 60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us %Us	48 55 80 110 20 55
AC coil operating Rated AC voltage at 60 AC operating voltage AC average coil consultation Dissipation at holding:	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out imption at 20°C of 60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us VA VA VA	48 55 80 110 20 55 300 20 6.5
AC coil operating Rated AC voltage at 60	of 50/60Hz coil powered at 50Hz drop-out of 60Hz coil powered at 60Hz pick-up drop-out imption at 20°C of 60Hz coil powered at 60Hz	max min max min max	V %Us %Us %Us %Us VA VA	48 55 80 110 20 55 300 20

in AC



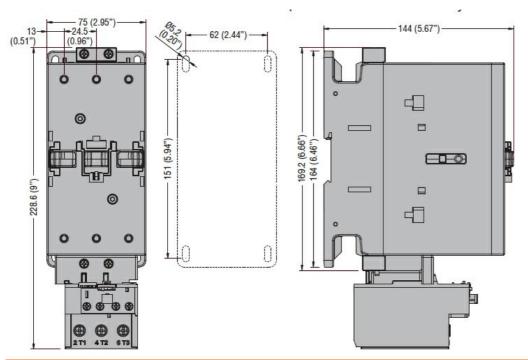


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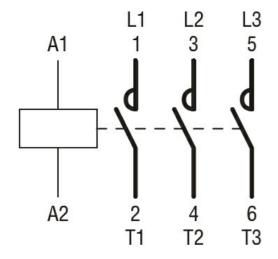
	Closing NO			
		min	ms	45
		max	ms	32
	Opening NO			
	-1-3	min	ms	9
		max	ms	24
UL technical data				
Rated operational volta	age AC (UL)		V	600
Yielded mechanical pe	erformance			
·	for three-phase AC motor			
	•	200/208V	HP	50
		220/230V	HP	50
		460/480V	HP	100
		575/600V	HP	125
General USE				
	Contactor			
	Comacion	AC current	Α	165
Short-circuit protection	fuse 600V	7 to danoin	- , ,	
Chart and an protocolor	High fault			
	riigiriadit	Short circuit current	kA	100
		Fuse rating	A	200
		Fuse class	Α	J
	Standard fault	1 436 61433		<u> </u>
	Standard fault	Short circuit current	kA	10
			A	250
		Fuse rating Fuse class	A	RK5
Ambient conditions		ruse class		CAA
Temperature	O a service of a service of			
	Operating temperature		0.0	50
		min	°C	-50
		max	°C	70
	Storage temperature	_		
		min	°C	-60
		max	°C	80
Max altitude			m	3000
Dimensions				

ENERGY AND AUTOMATION

THREE-POLE CONTACTOR, IEC OPERATING CURRENT IE (AC3) = 150A, AC COIL 60HZ,



Wiring diagrams



Certifications and compliance

Compliance

CSA C22.2 n° 60947-1

CSA C22.2 n° 60947-4-1

IEC/EN/BS 60947-1

IEC/EN/BS 60947-4-1

UL 60947-1

UL 60947-4-1

Certificates

CCC

cULus

ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching