



Product designation			Power contactor
Product type designation			BF26
Contact characteristics			
Number of poles		Nr.	4
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			05
	min	Hz	25
IEC Conventional free air thermal current Ith	max	Hz	400 45
Operational current le		A	45
Operational current le	AC-1 (≤40°C)	۸	45
	AC-1 (≤40 C) AC-1 (≤55°C)	A A	45 36
	AC-1 (≤33 C) AC-1 (≤70°C)	A	32
	AC-3 (≤440V ≤55°C)	A	26
	AC-4 (400V)	A	11.5
Rated operational power AC-1 (T≤40°C)		71	11.0
	230V	kW	17
	400V	kW	30
	500V	kW	37
	690V	kW	51
Short-time allowable current for 10s (IEC/EN60947-1)		Α	210
Protection fuse			
	gG (IEC)	А	50
	aM (IEC)	А	32
Making capacity (RMS value)		А	260
Breaking capacity at voltage			
	440V	А	208
	500V	А	184
	690V	Α	168
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	Ith	W	4
	AC-3	W	1.4
Tightening torque for terminals			
	min	Nm	2.5
	max	Nm	3
	min	Ibin	1.8
	max	Ibin	2.2
Tightening torque for coil terminal			
	min	Nm	0.8
	max	Nm	1
	min	Ibin	0.8
	max	Ibin	0.74
Max number of wires simultaneously connectable		Nr.	2



230VAC, 4NC

Conductor section

AWGA/Kemil           max         6           Flexible w/o lug conductor section         min         mm*         16           Flexible c/w lug conductor section         min         mm*         10           Flexible c/w lug conductor section         min         mm*         10           Flexible with insulated spade lug conductor section         min         mm*         10           Power terminal protection according to IEC/EN 60529         IP20 when properly wired           Mechanical features         report wired         report wired           Operating position         normal         Vertical plan         30°           Fixing         Screw / DN rail         35°mm         35°mm           Weight         g         496         30°           Conductor section         max         6         36°mm           AWGA/kcmil conductor section         max         6         36°mm           Accharical life         cycles         1600000         20000000           Starter data         yes         20000000         36'mm           Conductor section         max         6         20000000           Mechanical life         cycles         1600000         20000000           Starter data         yes         20000000 <th>Conductor section</th> <th></th> <th></th> <th></th>	Conductor section			
Flexible w/o lug conductor section       min       mm²       2.5         max       mm²       16         Flexible c/w lug conductor section       min       mm²       1         max       mm²       10       1         Flexible with insulated spade lug conductor section       min       mm²       1         max       mm²       10       10       10         Power terminal protection according to IEC/EN 60529       IP220 when properly wired       IP220 when properly wired         Mechanical features       ortical plan       allowable       430'         Operating position       ortical plan       35mm         Weight       g       496       Conductor section         AWG/kcmil conductor section       max       6       0         Operations       max       6       0         Mechanical life       cycles       2000000       0000         Safety related data       yes       100       160000       0000         Safety related data       yes       100       2000000       160000       160000       160000       160000       160000       160000       160000       160000       160000       160000       160000       160000       160 <td< td=""><td></td><td></td><td></td><td>6</td></td<>				6
min     mm²     2.5       max     mm²     16       Flexible c/w lug conductor section     mm²     10       Flexible with insulated spade lug conductor section     mm²     10       Power terminal protection according to IEC/EN 60529     IP20 when property wired     IP20 when property wired       Mechanical features     orgenating position     IP20 when property wired       Operating position     normal allowable     430°       Fixing     Screw / DIN rail     35mm       Weight     g     496       Conductor section     max     6       Operating position     max     6       Mechanical life     cycles     20000000       Electrical life     cycles     20000000       State     max     6       Operations     max     6       Mechanical life     cycles     20000000       Electrical life     cycles     20000000       Micror contats according to EN/SO 13489-1     rated load     cycles       Performance level B10d according to EN/SO 13489-1     yes       Controparting     max     %25       AC contrageting     yes       AC contrageting     max     %25       Mechanical load     cycles     20000000       Mirror contats accord				0
Flexible c/w lug conductor section       min       mm²       1         max       mm²       10         Flexible with insulated spade lug conductor section       min       mm²       1         max       mm²       10       10         Power terminal protection according to IEC/EN 60529       mm²       10         Power terminal protection according to IEC/EN 60529       momal       L920 when properly wired         Mechanical features		-	mm²	2.5
min     mm²     1       Flexible with insulated spade lug conductor section     min     mm²     10       Power terminal protection according to IEC/EN 60529     IP20 when properly wired     IP20 when properly wired       Mechanical features     Vertical plan     20       Qerating position     normal allowable     ±30"       Fixing     Screw / DIN rall 35mm     35mm       Weight     g     496       Conductor section     max     6       Operations     max     6       Mechanical life     cycles     20000000       Electrical life     cycles     1600000       Safety related data     Performance level B10d according to EIVISO 13489-1     rated load rated load     cycles       Mirror contats according to IEC/EN 609474-4.1     YES     20000000       Mirror contats according to IEC/EN 609476     was     30"       Mechanical lofe     cycles     100     100       Mirror contats according to IEC/EN 609476     W     230     230       Mirror contats according to IEC/EN 609476     W     30"		max	mm²	16
max         mm2         10           Flexible with insulated spade lug conductor section         min         mm2         1           Power terminal protection according to IEC/EN 60529         IP20 when         IP20 when           Power terminal protection according to IEC/EN 60529         IP20 when         IP20 when           Mechanical features		Flexible c/w lug conductor section		
Flexible with insulated spade lug conductor section       min       mm²       1         Power terminal protection according to IEC/EN 60529       IP20 when properly wired         Mechanical features       normal allowable       Vertical plan ±30°         Operating position       normal allowable       Vertical plan ±30°         Fixing       g       496         Conductor section       g       496         AWG/kcmil conductor section       max       6         Operations       max       6         Operations       max       6         Mechanical life       cycles       20000000         Electrical life       cycles       1600000         Safaty related data       rated load       cycles       1600000         Mirror contats according to EC/EN 609474-4-1       YES       20000000         Mirror contats according to IEC/EN 609474-4-1       YES       20000000         Mirror contats according to IEC/EN 609474-4-1       YES       20000000         Mirror contats according to IEC/EN 609474-4-1       YES       20000000         Micro data doll powered at 60Hz       max       %US       55         AC operating voltage       of 60Hz coil powered at 60Hz       max       %US       55 <td< td=""><td></td><td></td><td></td><td></td></td<>				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $			mm²	10
maxmm²10Power terminal protection according to IEC/EN 60529IP20 when properly wiredMechanical featuresoperating positionOperating positionnormal allowableVertical plan ±30°FixingScrew / DIN rail 35mmWeightg496Conductor sectionmax6Operationscycles2000000AWG/kcmil conductor sectionmax6Operationscycles2000000Bedchanical lifecycles2000000Electrical lifecycles1600000Safety related datavers20000000Mirror contats according to EN/ISO 13489-1rated loadcyclesMatch AC voltage at 60Hzvers200of 60Hz coil powered at 60Hzv230AC operating voltage of 60Hz coil powered at 60Hzmin%UsAC average coil consumption at 20°C of 60Hz coil powered at 60Hzin-rushVAYSYSYSYSAC average coil consumption at 20°C of 60Hz coil powered at 60Hzin-rushVAMax cycles frequencyw2.5Max cycles frequencyw2.5Max cycles frequencyw2.5Max cycles frequencyw2.5Max cycles frequencyw2.5Max cycles frequencyw2.5Max cycles frequencymin 6 VS contolYAMax cycles frequencymin 753600Operating timescycles/h3600			mm <sup>2</sup>	1
Power terminal protection according to IEC/EN 60529 Mechanical features Operating position normal vertical plan allowable ±30° Fixing Vertical plan allowable Fixing Vertical plan fixing Vertical fixi				
Mechanical features     property wired       Operating position     normal allowable     ±30°       Fixing     Screw / DIN rail 35mm       Weight     g     496       Conductor section     max     6       Operations	Power terminal protect			IP20 when
Operating position       normal allowable       Vertical plan ±30°         Fixing       Screw / DIN rail 35mm         Weight       g       496         Conductor section       max       6         Operations       max       6         Mechanical life       cycles       2000000         Electrical life       cycles       2000000         Safety related data				properly wired
normal allowableVertical plan $\pm 30^\circ$ FixingScreew / DIN rail 35mmWeightgQ496Conductor sectionmaxAWG/kcmil conductor sectionmaxMechanical lifecycles2000000Electrical lifecycles2000000Safety related dataPerformance level B10d according to EN/ISO 13489-1rated load mechanical loadcycles2000000Mirror contats according to EN/ISO 13489-1Performance level B10d according to EN/ISO 13489-1Rated AC voltage at 60HzyesAC coperatingyesAC operating to IEC/EN 609474-4-1YESEMC compatibilityyesAC operating to IEC/EN 609474-4-1YESEMC compatibilityyesMate AC voltage at 60HzV230AC coperating voltageof 60Hz coil powered at 60Hzminmax%Us55AC average coil consumption at 20°C of 60Hz coil powered at 60HzWin-rushVA75holdingVA9Dissipation at holding <20°C 50Hz				
allowable     ±30°       Fixing     Screw / DIN rail 35mm       Weight     g     496       Conductor section     max     6       Operations     max     6       Electrical life     cycles     2000000       Electrical life     cycles     1600000       Safety related data     rated load     cycles     1600000       Performance level B10d according to EN/ISO 13489-1     rated load     cycles     20000000       Mirror contats according to IEC/EN 609474-4-1     YES     20000000       Mirror contats according to IEC/EN 609474-4-1     YES     20000000       Marco of perating     yes     AC coll operating     yes       AC coll operating     yes     AC coll operating     yes       AC operating voltage     of 60Hz coil powered at 60Hz     v     230       pick-up     min     %Us     80       max     %Us     55     AC average coil consumption at 20°C     max     %Us       of 60Hz coil powered at 60Hz     in-rush     VA     9       Dissipation at holding ≤20°C 50Hz     W     2.5       Max cycles frequency     W     2.5       Max cycles frequency     W     2.5       Max cycles frequency     W     2.5	Operating position	normal		Vertical plan
Fixing Screw / DIN rail 35mm Weight g 496 Conductor section AWG/kcmil conductor section Mechanical life cycles 2000000 Electrical life cycles 160000 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 160000 mechanical load cycles 20000000 mechanical load cycles 2000000 Mirror contats according to EN/ISO 13489-1 rated load cycles 2000000 Mirror contats according to EN/ISO 13489-1 YES EMC compatibility yes AC coll operating Rated AC voltage at 60Hz yes of 60Hz coil powered at 60Hz pick-up min %US 80 max %US 110 drop-out min %US 20 max %US 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control				
Weight     g     496       Conductor section     AWG/kcmil conductor section     max     6       Operations     max     6       Mechanical life     cycles     2000000       Electrical life     cycles     160000       Safety related data     Performance level B10d according to EN/ISO 13489-1     rated load     cycles     1600000       Mirror contats according to IEC/EN 609474-4-1     YES     200000000       Mirror contats according to IEC/EN 609474-4-1     YES       EMC compatibility     yes     230       AC coli operating     min     %US       Rated AC voltage at 60Hz     V     230       AC operating voltage     of 60Hz coil powered at 60Hz     min       pick-up     min     %US     20       max     %US     55       AC average coil consumption at 20°C     of 60Hz coil powered at 60Hz     in-rush       violation     max     %US     55       AC average coil consumption at 20°C     of 60Hz coil powered at 60Hz     in-rush       violation     violation     yiolation     9       Dissipation at holding ≤20°C 50Hz     W     2.5       Max cycles frequency     Max cycles frequency     Max cycles frequency       Mechanical operation     cycles/h     3600 <td>Fixing</td> <td></td> <td></td> <td>Screw / DIN rail</td>	Fixing			Screw / DIN rail
Conductor section       max       6         Operations	Weight		a	
max         6           Operations	-		5	
Operations		AWG/kcmil conductor section		
Mechanical life         cycles         2000000           Electrical life         cycles         160000           Safety related data		max		6
Electrical life cycles 160000 Safety related data Performance level B10d according to EN/ISO 13489-1 rated load cycles 160000 mechanical load cycles 20000000 Mirror contats according to IEC/EN 609474-4-1 EMC compatibility yes AC coil operating Rated AC voltage at 60Hz yes AC operating voltage of 60Hz coil powered at 60Hz pick-up min %US 80 max %US 110 drop-out min %US 20 max %US 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz Max cycles frequency Mechanical operation Cycles/h 3600 Operating times Average time for US control				
Safety related data       rated load       cycles       1600000         Performance level B10d according to EN/ISO 13489-1       rated load       cycles       1600000         Mirror contats according to IEC/EN 609474-4-1       YES       20000000         Mirror contats according to IEC/EN 609474-4-1       YES       yes         AC coll operating       yes       AC coll operating       yes         AC coll operating       0       yes       AC coll operating       yes         AC operating voltage       of 60Hz coil powered at 60Hz       V       230       AC operating voltage       80         Maccoll operating voltage       of 60Hz coil powered at 60Hz       min       %Us       80       80         Maccoll operating voltage       of 60Hz coil powered at 60Hz       min       %Us       55       55         AC average coil consumption at 20°C       of 60Hz coil powered at 60Hz       in-rush       VA       75         Nolding       VA       9       9       9       9       10         Dissipation at holding ≤20°C 50Hz       W       2.5       Max cycles frequency       Max cycles/h       3600         Machanical operation       cycles/h       3600       0       0         Operating times       Average time				
Performance level B10d according to EN/ISO 13489-1 rated load cycles 160000 mechanical load cycles 2000000 Mirror contats according to IEC/EN 609474-4-1 VES EMC compatibility yes AC coll operating Rated AC voltage at 60Hz of 60Hz coil powered at 60Hz pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz Wchanical operation Cycles 7 Accord Streaguency			cycles	1600000
rated load mechanical loadcycles1600000 20000000Mirror contats according to IEC/EN 609474-4-1YESEMC compatibilityyesAC coll operatingyesRated AC voltage at 60HzV230AC operating voltageof 60Hz coil powered at 60HzVpick-upminmin%Us80max%Us110drop-outminmin%Us20max%Us55AC average coil consumption at 20°C of 60Hz coil powered at 60HzVA9pispation at holding ≤20°C 50HzWUsippation at holding ≤20°C 50HzW2.5Max cycles frequencyW2.5Max cycles frequencyKA3600Operating timescycles/h3600Operating timescycles/h3600		0d according to EN/ISO 13489-1		
Mirror contats according to IEC/EN 609474-4-1       YES         EMC compatibility       yes         AC coil operating       Rated AC voltage at 60Hz         Rated AC voltage at 60Hz coil powered at 60Hz pick-up       V       230         AC operating voltage       of 60Hz coil powered at 60Hz pick-up       min       %Us       80 max         Mirror contast according to IEC/EN 609474-4-1       V       230       AC coil powered at 60Hz       V       230         AC operating voltage       of 60Hz coil powered at 60Hz       min       %Us       80 max       %Us       110         AC average coil consumption at 20°C       of 60Hz coil powered at 60Hz       min n       %Us       55         AC average coil consumption at 20°C       of 60Hz coil powered at 60Hz       in-rush       VA       75         holding       VA       9       9       9       9       9       9         Dissipation at holding ≤20°C 50Hz       W       2.5       Max cycles frequency       Max cycles frequency       Max cycles/h       3600         Operating times       Average time for Us control       Kate cycles/h       3600       0		-	cycles	1600000
EMC compatibility       yes         AC coil operating       Rated AC voltage at 60Hz         Rated AC voltage at 60Hz coil powered at 60Hz pick-up       v       230         AC operating voltage       min       %Us       80         drop-out       min       %Us       110         drop-out       min       %Us       20         max       %Us       55         AC average coil consumption at 20°C of 60Hz coil powered at 60Hz       in-rush       VA       75         AC average coil consumption at 20°C of 60Hz coil powered at 60Hz       in-rush       VA       9         Dissipation at holding ≤20°C 50Hz       W       2.5       Max cycles frequency         Mechanical operation       cycles/h       3600         Operating times       Average time for Us control       X			cycles	
AC coil operating Rated AC voltage at 60Hz V 230 AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation Cycles/h 3600 Operating times Average time for Us control		ing to IEC/EN 609474-4-1		
Rated AC voltage at 60HzV230AC operating voltage of 60Hz coil powered at 60Hz pick-upmin%Us80 maxmin%Us80 max80 wax%Us110drop-outmin%Us20 max%Us55AC average coil consumption at 20°C of 60Hz coil powered at 60Hzin-rush VA75 holdingVA9Dissipation at holding ≤20°C 50HzW2.5Max cycles frequencyW2.5Max cycles frequencyW2.5Max cycles/h3600Operating times Average time for Us controlAverageV100				yes
AC operating voltage of 60Hz coil powered at 60Hz pick-up drop-out drop-out min %Us 80 max %Us 110 min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation Cycles/h 3600 Operating times Average time for Us control			V	220
of 60Hz coil powered at 60Hz pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation Cycles/h 3600 Operating times Average time for Us control			V	230
pick-up min %Us 80 max %Us 110 drop-out min %Us 20 max %Us 55 AC average coil consumption at 20°C of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control	, to operating relage	of 60Hz coil powered at 60Hz		
drop-outmax%Us110min%Us20max%Us55AC average coil consumption at 20°C of 60Hz coil powered at 60Hz		•		
drop-outmin %Us %Us %Us 5520 max %Us 55AC average coil consumption at 20°C of 60Hz coil powered at 60Hzin-rush holdingVA 9In-rush holdingVA 99Dissipation at holding ≤20°C 50HzW 2.52.5Max cycles frequencyW 2.5Mechanical operationcycles/h 3600Operating timesAverage time for Us control		min		
min%Us20 maxMax%Us55AC average coil consumption at 20°C of 60Hz coil powered at 60Hz			%Us	110
max%Us55AC average coil consumption at 20°C of 60Hz coil powered at 60Hzin-rushVA75in-rushVA75holdingVA9Dissipation at holding ≤20°C 50HzW2.5X2.5Max cycles frequencyVVVVMechanical operationcycles/h36000Operating timesVVVVAverage time for Us controlVVV		-	0/110	20
AC average coil consumption at 20°C       of 60Hz coil powered at 60Hz         in-rush       VA       75         holding       VA       9         Dissipation at holding ≤20°C 50Hz       W       2.5         Max cycles frequency       VA       9         Mechanical operation       cycles/h       3600         Operating times       Average time for Us control       VA				
of 60Hz coil powered at 60Hz in-rush VA 75 holding VA 9 Dissipation at holding ≤20°C 50Hz W 2.5 Max cycles frequency Mechanical operation cycles/h 3600 Operating times Average time for Us control	AC average coil cons		/003	55
in-rush holdingVA75 holdingDissipation at holding ≤20°C 50HzW2.5Max cycles frequencyV2.5Mechanical operationcycles/h3600Operating timesVVAverage time for Us controlVV		•		
Dissipation at holding ≤20°C 50Hz       W       2.5         Max cycles frequency       W       2.5         Mechanical operation       cycles/h       3600         Operating times       V       2.5         Average time for Us control       V       2.5			VA	75
Max cycles frequency         Mechanical operation       cycles/h 3600         Operating times         Average time for Us control				
Mechanical operation       cycles/h 3600         Operating times       Average time for Us control			W	2.5
Operating times Average time for Us control			ovola a /l-	2600
Average time for Us control			cycles/n	3000
		ontrol		

BF26T0A23060



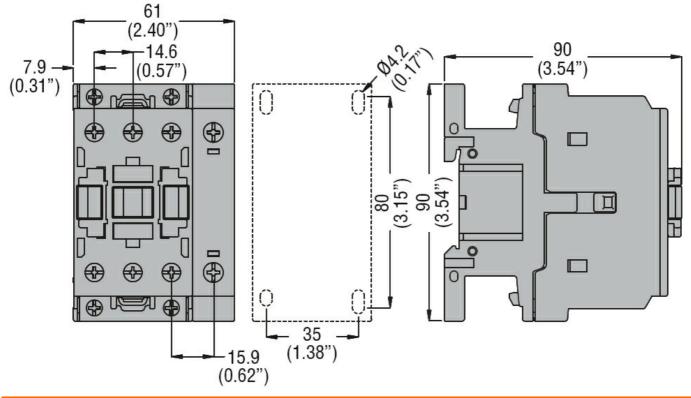
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 60HZ,

230VAC, 4NC

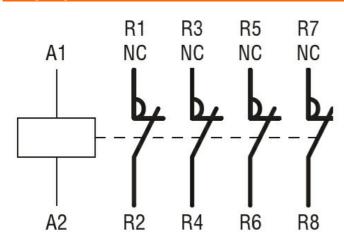
	Closing NO			
		min	ms	8
		max	ms	24
	Opening NO	Παλ	1113	24
	Opening NO	min	ms	5
		max	ms	15
	Closing NC	тах	mo	10
		min	ms	11
		max	ms	29
	Opening NC	тах	mo	20
	opening No	min	ms	6
		max	ms	14
UL technical data			110	· ·
	A) for three-phase AC motor			
		at 480V	А	21
		at 400V at 600V	A	22
Yielded mechanical p	erformance	di 000 V		
neided meenamearp	for single-phase AC motor			
	tor single-phase AC motor	110/120V	HP	2
		230V	HP	5
	for three-phase AC motor	230 v	111	5
	for three-phase AC motor	200/208V	HP	7.5
		220/230V	HP	7.5
		460/480V	HP	15
		575/600V	HP	20
General USE		373/0001		20
	Contactor			
	Contactor	AC current	А	45
Ambient conditions		AC current	A	45
Temperature	Operating temperature			
	Operating temperature	min	°C	-50
			°C	-50 70
	Storago tomporaturo	max	U	10
	Storage temperature	nin	°C	-60
		min	°C	-60 80
Max altitude		max		
Resistance & Protect	ion		m	3000
				2
Pollution degree				3
Dimensions				



**BF26T0A23060** FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, AC COIL 60HZ, 230VAC, 4NC



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	
	EAC	
ETIM classification		
		EC000066 -
ETIM 8.0		Power contactor,
		AC switching