

Product designation BF26 Product type designation BF26 Contact characteristics Number of poles Nr. 4 Rated insulation voltage Uimp NV 6 Poperational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current lth A 45 Operational current le AC-1 (s40°C) A 45 AC-2 (s50°C) A 36 AC-1 (s50°C) A 36 AC-1 (s50°C) A 36 AC-1 (s50°C) A 36 AC-1 (s50°C) A 32 AC-3 (s440V s55°C) A 26 AC-3 (s40V AV s55°C) A 26 AC-3 (s40V s55°C) A 25 AC-3 (s40V s55°C) A 25 AC-3 (s40V A 21 AC-3 (s40V A 22 AC-3 (s40V A 25 AC-3 (s40V A 28 AC-3 (s40V				•
Product type designation BF26 Contact characteristics Number of poles Nr. 4 Rated insulation voltage UIIPC/EN V 690 Rated insulation voltage UIIPC/EN V 6 Operational frequency min Hz 25 max Hz 400 IEC Conventional free air thermal current Ith A 45 Operational current le AC-1 (s40°C) A 45 AC-1 (s55°C) A 36 AC-1 (s55°C) A 36 AC-1 (s55°C) A 36 AC-1 (s70°C) A 32 AC-3 (s400V) A 11.5 Rated operational power AC-1 (T≤40°C) 230V kW 17 400V kW 30 500V kW 30 500V kW 37 690V kW 51 IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series S24V A 25 48V A 21 75V A 18 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series S24V A 28 48V A 28 75V A 28 75V A 28 48V A 28 75V A 28 75V A 28 48V A 28 75V A 2	Product designation			Power contactor
Contact characteristicsNumber of polesNr.4Rated insulation voltage UIEC/ENV690Rated insulation voltage UIEC/ENKV6Operational frequencyminHz25maxHZ400125IEC Conventional free air thermal current lthA45Operational current leAC-1 (≤40°C)A45AC-1 (≤55°C)A36AC-1 (≤55°C)A36AC-1 (≤55°C)A26AC-3 (≤440V ≤55°C)A26AC-3 (≤440V ≤55°C)A26AC-4 (400V)A11.5Rated operational power AC-1 (T≤40°C)230VkW17400VkW30500VkW37690VkW51110VA2548VA2175VA18110VA6220VA-220VA-220VA25110VA22220VA25110VA22120A25110VA22220VA25110VA22220VA25110VA24120A25110VA242848VA2875VA25110VA24220VA25110VA24120A25110VA24220VA25110VA24 <tr< td=""><td>•</td><td></td><td></td><td></td></tr<>	•			
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Rated insulation voltage Ui IEC/ENV690Rated impulse withstand voltage UimpkV6Operational frequencyminHz25maxHz40045EC Conventional free air thermal current lthA45Operational current leAC-1 (\$40°C)A45AC-1 (\$55°C)A32AC-3 (\$440V \$55°C)A26AC-3 (\$440V \$55°C)A26AC-4 (400V)A11.5Rated operational power AC-1 (T≤40°C)230VkW17400VkW30SolovkW37690VkW37690VkW37IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series≤24VA2548VA21TOVA2875VA18110VA6220VA28IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series≤24VA282875VA282875VA282875VA282875VA282875VA282875VA282875VA282875VA2875VA282875VA282875VA282875VA2875VA2875VA2875VA2875VA2875VA2875VA2875VA2220<			Nr.	4
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Operational current le	AC 1 (0°C)</td <td>٨</td> <td>15</td>	٨	15
AC-1 (≤70°C) A 32 AC-3 (≤440V <55°C)		. ,		
AC-3 (s440V ≤55°C) A 26 AC-4 (400V) A 11.5 Rated operational power AC-1 (T≤40°C) 230V kW 17 400V kW 30 500V kW 37 690V kW 37 690V kW 51 EC max current le in DC1 with L/R ≤ 1ms with 1 poles in series ≤24V A 25 48V A 21 75V A 18 110V A 6 220V A - IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series ≤24V A 28 48V A 28 110V A 22 220V A 2		· · · · · ·		
AC-4 (400V)A11.5Rated operational power AC-1 (T≤40°C)230VkW17400VkW30500VkW31500VkW37690VkW51IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $\leq 24V$ A2548VA2175VA18110VA6220VA-IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $\leq 24V$ A2848VA2875VA25110VA22220VA2IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A2875VA22220VA2IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $\leq 24V$ A2848VA2875VA25110VA24220VA20IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\leq 24V$ A2848VA2875VA25110VA242010IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $\leq 24V$ A2848VA2875VA25110VA2848VA2848VA2875VA25110VA242510VA25110VA2425 <td></td> <td></td> <td></td> <td></td>				
Rated operational power AC-1 (T≤40°C) $ \begin{array}{c} 230V & kW & 17 \\ 400V & kW & 30 \\ 500V & kW & 37 \\ 690V & kW & 51 \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series $ \begin{array}{c} \leq 24V & A & 25 \\ 48V & A & 21 \\ 75V & A & 18 \\ 110V & A & 6 \\ 220V & A & - \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 2 poles in series $ \begin{array}{c} \leq 24V & A & 28 \\ 48V & A & 28 \\ 75V & A & 28 \\ 48V & A & 28 \\ 75V & A & 25 \\ 110V & A & 22 \\ 220V & A & 2 \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $ \begin{array}{c} \leq 24V & A & 28 \\ 48V & A & 28 \\ 75V & A & 25 \\ 110V & A & 22 \\ 220V & A & 2 \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series $ \begin{array}{c} \leq 24V & A & 28 \\ 48V & A & 28 \\ 75V & A & 25 \\ 110V & A & 24 \\ 220V & A & 20 \end{array} $ IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series $ \begin{array}{c} \leq 24V & A & 28 \\ 48V & A & 28 \\ 75V & A & 25 \\ 110V & A & 24 \\ 220V & A & 20 \end{array} $				
$\begin{array}{c} 230 V kW 17 \\ 400 V kW 30 \\ 500 V kW 37 \\ 690 V kW 51 \end{array}$	Detect exerctional network (C. 4. (T<40°C)	AC-4 (400V)	A	11.5
$ \begin{array}{cccc} 400 \vee & k & 30 \\ 500 \vee & k & 37 \\ 690 \vee & k & 51 \end{array} \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 1 poles in series \\ & \leq 24 \vee & A & 25 \\ 48 \vee & A & 21 \\ 75 \vee & A & 18 \\ 110 \vee & A & 6 \\ 220 \vee & A & - \end{array} \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 2 poles in series \\ & \leq 24 \vee & A & 28 \\ 48 \vee & A & 28 \\ 75 \vee & A & 25 \\ 110 \vee & A & 22 \\ 220 \vee & A & 2 \end{array} \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ & \leq 24 \vee & A & 28 \\ 48 \vee & A & 28 \\ 75 \vee & A & 25 \\ 110 \vee & A & 22 \\ 220 \vee & A & 2 \end{array} \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ & \leq 24 \vee & A & 28 \\ 48 \vee & A & 28 \\ 75 \vee & A & 25 \\ 110 \vee & A & 24 \\ 220 \vee & A & 2 \end{array} \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 3 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 poles in series \\ \hline \\ IEC max current le in DC1 with L/R \leq 1ms with 4 pol$	Rated operational power AC-T (TS40 C)	000)/	1.1.47	47
$ \begin{array}{c} 500 \vee & kW & 37 \\ 690 \vee & kW & 51 \end{array} \\ \hline \\$				
$ \begin{array}{c c c c c c } \hline 690V & kW & 51 \\ \hline 690V & kW & 51 \\ \hline 1EC \max \ current \ le \ in \ DC1 \ with \ L/R \le 1 \ ms \ with 1 \ poles \ in \ series \\ \hline \le 24V & A & 25 \\ 48V & A & 21 \\ 75V & A & 18 \\ 110V & A & 6 \\ 220V & A & - \\ \hline \end{array} $				
IEC max current le in DC1 with L/R ≤ 1ms with 1 poles in series				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IFO many summer the import with L/D < there with the share is a spin	690V	KVV	51
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current le in DC1 with L/R S 1ms with 1 poles in series	(0.1)	٨	05
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\begin{array}{c c c c c c c c c c c c c c c c c c c $				
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IFO many summer the important to the L/D < there with 0 modes in series	2200	A	-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	IEC max current ie in DC1 with L/R S 1ms with 2 poles in series	-0.01	•	00
$\begin{array}{c cccc} 75 & A & 25 \\ 110 & A & 22 \\ 220 & A & 2 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 3 poles in series $\begin{array}{c ccccc} \leq 24 & A & 28 \\ 48 & A & 28 \\ 75 & A & 25 \\ 110 & A & 24 \\ 220 & A & 20 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 4 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $				
$\begin{array}{c c c c c c c } 220 & A & 2 \\ \hline 1EC max current le in DC1 with L/R \leq 1 ms with 3 poles in series \\ & \leq 24 V & A & 28 \\ & 48 V & A & 28 \\ & 48 V & A & 28 \\ & 75 V & A & 25 \\ & 110 V & A & 24 \\ & 220 V & A & 20 \\ \hline 1EC max current le in DC1 with L/R \leq 1 ms with 4 poles in series \\ & \leq 24 V & A & 28 \\ & 48 V & A & 28 \\ & 75 V & A & 25 \\ & 110 V & A & 24 \\ \hline \end{array}$				
IEC max current le in DC1 with L/R ≤ 1ms with 3 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24 220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24				
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		220V	A	2
$ \begin{array}{cccc} 48V & A & 28 \\ 75V & A & 25 \\ 110V & A & 24 \\ 220V & A & 20 \end{array} \\ \hline \\ IEC \mbox{ max current le in DC1 with L/R \leq 1ms with 4 poles in series} \\ \hline \\ \frac{\leq 24V & A & 28 \\ 48V & A & 28 \\ 75V & A & 25 \\ 110V & A & 24 \end{array} \\ \end{array} $	IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
$\begin{array}{ccccc} 75 & A & 25 \\ 110 & A & 24 \\ 220 & A & 20 \end{array}$				
$\begin{array}{c cccc} 110 V & A & 24 \\ 220 V & A & 20 \end{array}$ IEC max current le in DC1 with L/R < 1ms with 4 poles in series $\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
220V A 20 IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24				
IEC max current le in DC1 with L/R ≤ 1ms with 4 poles in series ≤24V A 28 48V A 28 75V A 25 110V A 24				
≤24V A 28 48V A 28 75V A 25 110V A 24		220V	A	20
48V A 28 75V A 25 110V A 24	IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
75V A 25 110V A 24				
110V A 24				
220V A 26				
		220V	А	26



BF26T4D125 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, DC COIL, 125VDC

IEC max current le in DC3-DC5 with L/R ≤ 15ms with 1 poles in series			
	≤24V	А	18
	48V	А	15
	75V	А	13
	110V	А	2
	220V	Α	_
IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series			
	≤24V	А	20
	48V	А	20
	75V	А	18
	110V	А	13
	220V	A	3
IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series			
	≤24V	А	25
	48V	А	25
	75V	А	20
	110V	А	18
	220V	А	19
IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series			
	≤24V	А	30
	48V	A	30
	75V	A	25
	110V	А	20
	220V	A	15
Short-time allowable current for 10s (IEC/EN60947-1)		A	210
Protection fuse			
	gG (IEC)	А	50
	aM (IEC)	A	32
Making capacity (RMS value)		А	260
Breaking capacity at voltage			
	440V	A	208
	500V	A	184
	690V	<u>A</u>	168
Resistance per pole (average value)		mΩ	2
Power dissipation per pole (average value)			
	lth	W	4
Tightoning torque for terminels	AC-3	W	1.4
Tightening torque for terminals		N I	25
	min	Nm	2.5
	max	Nm	3
	min	lbin Ibin	1.8
Tightoning torque for coil terminal	max	Ibin	2.2
Tightening torque for coil terminal		N lur-	0.9
	min	Nm Nm	0.8
	max	Nm	1
	min	lbin Ibin	0.8
Max number of wires cimultonequely connected	max	Ibin Nr	0.74
Max number of wires simultaneously connectable		Nr.	2
Conductor section			
AWG/Kcmil			C
	max		6

Flexible w/o lug conductor section			
	min	mm²	2.5



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, DC COIL, 125VDC

BF26T4D125

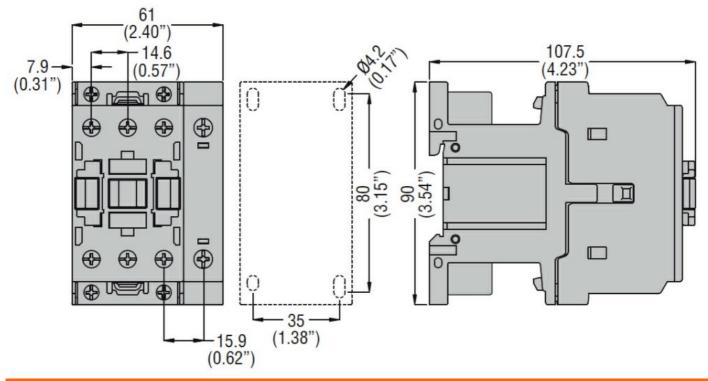
			max	mm²	16
	Flexible c/w lug conduc	ctor section			
			min	mm²	1
			max	mm²	10
	Flexible with insulated	spade lug conductor	section		
			min	mm²	1
			max	mm²	10
Power terminal protect	tion according to IEC/EN	60520			IP20 when
	tion according to IEC/EN	00529			properly wired
Mechanical features					
Operating position					
			normal		Vertical plan
			allowable		±30°
Fixing					Screw / DIN rail 35mm
Weight				0	660
Conductor section				g	000
	AWG/kcmil conductor	section			
			mov		6
Operationa			max		0
Operations Mechanical life				ovolco	2000000
				cycles	
Electrical life				cycles	1600000
Safety related data		10.400.4			
Performance level B10	Od according to EN/ISO ?	13489-1			400000
			rated load	cycles	1600000
			mechanical load	cycles	2000000
	ng to IEC/EN 609474-4-1				yes
EMC compatibility					yes
DC coil operating					105
DC rated control voltage	je			V	125
DC operating voltage					
	pick-up				
			min	%Us	80
			max	%Us	125
	drop-out				
			min	%Us	10
			max	%Us	40
Average coil consump	tion ≤20°C				
			in-rush	W	5.4
			holding	W	5.4
Max cycles frequency					
Mechanical operation				cycles/h	3600
Operating times					
Average time for Us co					
	in AC				
		Closing NO			
			min	ms	8
		a 1 1 1 a	max	ms	24
		Opening NO			_
			min	ms	5
		a .	max	ms	15
		Closing NC			_
			min	ms	9
			max	ms	20



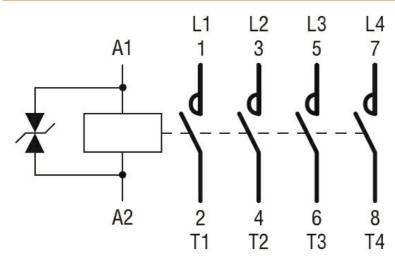
FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, DC COIL, 125VDC

		Opening NC			
		opening No	min	ms	9
			max	ms	17
	in DC		max	mo	
	in DO	Closing NO			
		Closing NO	min	ms	54
			max	ms	66
		Opening NO	IIIdA	1115	00
		Opening NO	min	ms	14
					17
UL technical data			max	ms	17
) for three phase AC me	tor			
) for three-phase AC mo	וטו	-+ 4001/	^	04
			at 480V	A	21
<u></u>	,		at 600V	A	22
Yielded mechanical pe					
	for single-phase AC r	notor			
			110/120V	HP	2
			230V	HP	5
	for three-phase AC m	notor			
			200/208V	HP	7.5
			220/230V	HP	7.5
			460/480V	HP	15
			575/600V	HP	20
General USE					
	Contactor				
			AC current	А	45
Short-circuit protection	n fuse, 600V				
	High fault				
	-		Short circuit current	kA	100
			Fuse rating	А	100
			Fuse class		J
	Standard fault				
			Short circuit current	kA	5
			Fuse rating	A	100
Ambient conditions					
Temperature					
	Operating temperatur	e			
	-portaining tomportation	-	min	°C	-50
			max	°Č	70
	Storage temperature		max	Ŭ	. •
			min	°C	-60
			max	°C	80
Max altitude			max	 	3000
Resistance & Protecti	on			111	3000
					3
Pollution degree Dimensions					ა
Bimensions					





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	



FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 45A, DC COIL, 125VDC

ETIM 8.0

EC000066 -Power contactor, AC switching