



Product designation			Power contactor
Product type designation			BF18
Contact characteristics			
Number of poles		Nr.	3
Rated insulation voltage Ui IEC/EN		V	690
Rated impulse withstand voltage Uimp		kV	6
Operational frequency			-
	min	Hz	25
	max	Hz	400
IEC Conventional free air thermal current Ith	max	A	32
Operational current le			02
operational current le	AC-1 (≤40°C)	А	32
	AC-1 (≤55°C)	A	26
	AC-1 (≤55 C) AC-1 (≤70°C)	A	23
	AC-3 (≤440V ≤55°C)	A	18
	AC-3 (S440V S55 C) AC-4 (400V)		
Deted energtional newer AC 2 (T <ee°c)< td=""><td>AC-4 (400V)</td><td>A</td><td>8.5</td></ee°c)<>	AC-4 (400V)	A	8.5
Rated operational power AC-3 (T≤55°C)	0001/	1.1.47	4
	230V	kW	4
	400V	kW	7.5
	415V	kW	9
	440V	kW	9
	500V	kW	10
	690V	kW	10
Rated operational power AC-1 (T≤40°C)			
	230V	kW	12
	400V	kW	21
	500V	kW	26
	690V	kW	36
IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series			
	≤24V	A	17
	48V	А	15
	75V	A	15
	110V	А	6
	220V	Α	-
IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series			
	≤24V	А	20
	48V	А	20
	75V	А	20
	110V	А	13
	220V	А	1
IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series			
	≤24V	А	22
	48V	А	22
	75V	А	20
	110V	А	16



**BF1810A230** SCHÜTZ BF1810A, 3P+1S, 18A AC3, 230V 50/60HZ

	220V	А	11
IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series			
	≤24V	А	22
	48V	А	22
	75V	А	20
	110V	А	18
	220V	Α	13
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 1 poles in series			
	≤24V	А	12
	48V	А	11
	75V	А	11
	110V	А	2
	220V	А	-
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series			
	≤24V	А	15
	48V	А	13
	75V	А	13
	110V	А	8
	220V	А	2
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series			
	≤24V	А	18
	48V	А	18
	75V	А	16
	110V	А	12
	220V	A	6
IEC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series			-
	≤24V	А	18
	48V	A	18
	75V	A	16
	110V	A	13
	220V	A	8
Short-time allowable current for 10s (IEC/EN60947-1)		A	200
Protection fuse			
	gG (IEC)	А	32
	aM (IEC)	A	20
Making capacity (RMS value)		A	180
Breaking capacity at voltage			100
	440V	А	144
	500V	A	120
	690V	A	94
Resistance per pole (average value)	030 v	mΩ	2.5
Power dissipation per pole (average value)		11122	2.3
r uwer uissipation per pole (average value)			0.0
	146	11/	
	lth	W	2.6
Tightoning torque for terminals	Ith AC-3	W W	2.6 0.8
Tightening torque for terminals	AC-3	W	0.8
Tightening torque for terminals	AC-3 min	W Nm	0.8
Tightening torque for terminals	AC-3 min max	W Nm Nm	0.8 1.5 1.8
Tightening torque for terminals	AC-3 min max min	W Nm Nm Ibin	0.8 1.5 1.8 1.1
	AC-3 min max	W Nm Nm	0.8 1.5 1.8
	AC-3 min max min max	W Nm Ibin Ibin	0.8 1.5 1.8 1.1 1.5
	AC-3 min max min max min	W Nm Ibin Ibin	0.8 1.5 1.8 1.1 1.5 0.8
Tightening torque for terminals	AC-3 min max min max	W Nm Ibin Ibin	0.8 1.5 1.8 1.1 1.5

## BF1810A230



Max number of wires	simultaneously connectable	max	Ibin Nr.	0.74
Conductor section			INI.	2
Conductor Section	AWG/Kcmil			
	AWORKIM	max		10
	Flexible w/o lug conductor section	max		10
		min	mm²	1
		max	mm²	6
	Flexible c/w lug conductor section			
	-	min	mm²	1
		max	mm²	4
	Flexible with insulated spade lug conductor section			
		min	mm²	1
		max	mm²	4
Power terminal prote	ction according to IEC/EN 60529			IP20 when
•				properly wired
Mechanical features				
Operating position				.,
		normal		Vertical plan
		allowable		±30°
Fixing				Screw / DIN rai 35mm
Weight			0	358
Conductor section			g	300
Conductor Section	AWG/kcmil conductor section			
		max		10
Auvilian, contact char	racteristics	Шах		10
ADXIDALY CODIACE COAL				
Auxiliary contact char Thermal current lth			А	10
Thermal current Ith			A	10 A600 - P600
Thermal current lth IEC/EN 60947-5-1 de	esignation		A	10 A600 - P600
Thermal current Ith	esignation	230V		A600 - P600
Thermal current lth IEC/EN 60947-5-1 de	esignation	230V 400V	A	A600 - P600 3
Thermal current lth IEC/EN 60947-5-1 de	esignation	400V		A600 - P600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 215		A A	A600 - P600 3
Thermal current lth IEC/EN 60947-5-1 de	esignation 215	400V	A A	A600 - P600 3 1.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 215 212	400V 500V	A A A	A600 - P600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 215 212	400V 500V	A A A	A600 - P600 3 1.9 1.4
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 215 212	400V 500V 110V	A A A A	A600 - P600 3 1.9 1.4 5.7
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 215 212	400V 500V 110V 24V	A A A A	A600 - P600 3 1.9 1.4 5.7 5.7
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 215 212	400V 500V 110V 24V 48V	A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 215 212	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC	esignation 215 212	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 5.7 2.9 2.3 1.25 1.1 0.55
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation 215 212	400V 500V 110V 24V 48V 60V 110V 125V	A A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC	esignation 215 212	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life	esignation 215 212	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A A Cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life	esignation 215 212	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A A	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation 215 212 213	400V 500V 110V 24V 48V 60V 110V 125V 220V	A A A A A A A A A A A A A Cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation 215 212	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A A Cycles cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1600000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data	esignation 215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1600000 1600000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	esignation 215 212 213 10d according to EN/ISO 13489-1 med	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A A Cycles cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1600000 1600000 1600000
Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B	esignation 215 212 213 10d according to EN/ISO 13489-1	400V 500V 110V 24V 48V 60V 110V 125V 220V 600V	A A A A A A A A A A A Cycles cycles	A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1600000 1600000

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SCHÜTZ BF1810A, 3P+1S, 18A AC3, 230V 50/60HZ

Rated AC voltage at 5	0/60Hz		V	230
C operating voltage				
	of 50/60Hz coil powered at 50Hz			
	pick-up			
		min	%Us	80
		max	%Us	110
	drop-out			
		min	%Us	20
		max	%Us	55
	of 50/60Hz coil powered at 60Hz			
	pick-up			
		min	%Us	85
		max	%Us	110
	drop-out			
		min	%Us	20
•		max	%Us	55
C average coil consu				
	of 50/60Hz coil powered at 50Hz			
		in-rush	VA	75
		holding	VA	9
	of 50/60Hz coil powered at 60Hz		174	70
		in-rush	VA	70
		holding	VA	6.5
	of 60Hz coil powered at 60Hz			75
		in-rush	VA	75
	<00°0 F0U-	holding	VA	9
Dissipation at holding :	≤20 C 50HZ		W	2.5
An experience of the second se			ovolaa/b	2600
Nechanical operation Dperating times			cycles/h	3000
verage time for Us co	antrol			
werage time for 05 ct	in AC			
	Closing NO	min	me	0
	Closing NO	min	ms	8
		min max	ms ms	8 24
	Opening NO	max	ms	24
		max	ms ms	24 10
	Opening NO	max	ms	24
		max min max	ms ms ms	24 10 20
	Opening NO	max min max min	ms ms ms	24 10 20 14
	Opening NO Closing NC	max min max	ms ms ms	24 10 20
	Opening NO	max min max min max	ms ms ms ms	24 10 20 14 28
	Opening NO Closing NC	max min max min max min	ms ms ms ms ms	24 10 20 14 28 7
L technical data	Opening NO Closing NC	max min max min max	ms ms ms ms	24 10 20 14 28
	Opening NO Closing NC Opening NC	max min max min max min	ms ms ms ms ms	24 10 20 14 28 7
	Opening NO Closing NC	max min max min max min max	ms ms ms ms ms ms	24 10 20 14 28 7 18
	Opening NO Closing NC Opening NC	max min max min max min max at 480V	ms ms ms ms ms ms	24 10 20 14 28 7 18 14
	Opening NO Closing NC Opening NC	max min max min max min max	ms ms ms ms ms ms	24 10 20 14 28 7 18
	Opening NO Closing NC Opening NC of or three-phase AC motor	max min max min max min max at 480V	ms ms ms ms ms ms	24 10 20 14 28 7 18 14
ull-load current (FLA)	Opening NO Closing NC Opening NC	max min max min max min max at 480V at 600V	ms ms ms ms ms A A	24 10 20 14 28 7 18 14 17
ull-load current (FLA)	Opening NO Closing NC Opening NC of or three-phase AC motor	max min max min max min max at 480V at 600V	ms ms ms ms ms A A HP	24 10 20 14 28 7 18 14 17 1
ull-load current (FLA)	Opening NO Closing NC Opening NC of for three-phase AC motor	max min max min max min max at 480V at 600V	ms ms ms ms ms A A	24 10 20 14 28 7 18 14 17
ull-load current (FLA)	Opening NO Closing NC Opening NC of or three-phase AC motor	max min max min max min max at 480V at 600V	ms ms ms ms ms A A HP	24 10 20 14 28 7 18 14 17 1

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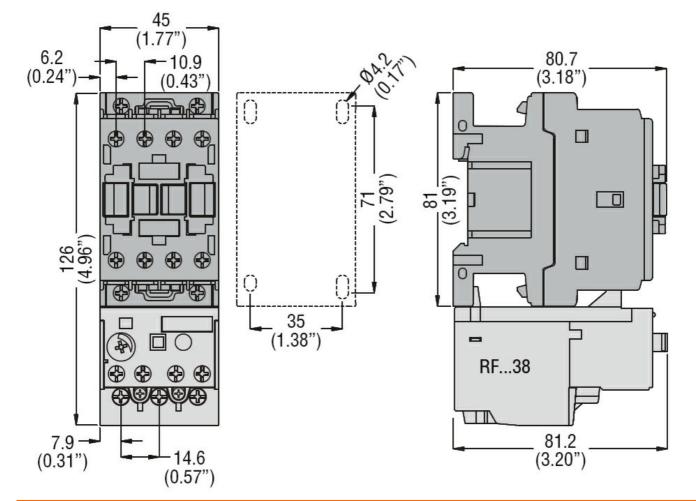
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



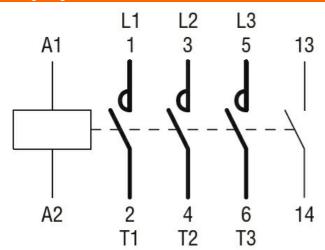
**BF1810A230** SCHÜTZ BF1810A, 3P+1S, 18A AC3, 230V 50/60HZ

Contactor         AC current         A         32           Auxilliary contacts         AC voltage         V         600           AC current         A         10           DC voltage         V         250           DC current         A         1           Short-circuit protection fuse, 600V         High fault         A         1           Short-circuit protection fuse, 600V         High fault         KA         100           Short-circuit protection fuse, 600V         High fault         A         60           Fuse rating         A         60         5           Standard fault         Short circuit current         KA         5           Standard fault         Short circuit current         KA         5           Standard fault         Short circuit current         KA         5           Fuse rating of auxiliary contacts according to UL         A600 - P600         A600 - P600           Maxilitude         min         °C         70           Storage temperature         min         °C         70           Storage temperature         min         °C         70           Max altitude         min         °C         60           Max altitude					
Standard fault         Short circuit current         A         32           Auxiliary contacts         AC current         A         32           Auxiliary contacts         AC current         A         32           Auxiliary contacts         AC current         A         10           DC voltage         V         600         AC current         A         10           DC voltage         V         250         DC current         A         1           Short-circuit protection fuse, 600V         High fault         KA         100         Standard fault         Fuse class         J           Standard fault         Short circuit current         KA         600         Fuse class         J           Standard fault         Short circuit current         KA         5         Standard         Standard           Temperature         Maxiliary contacts according to UL         KA         5         Standard         Standard           Temperature         Maxiliary contacts according to UL         Max         Standard fault         Standard         Stand			220/230V	HP	5
General USE       Contactor       AC current       A       32         Auxiliary contacts       AC voltage       V       600         AC current       A       10         DC voltage       V       250         DC voltage       V       250         DC current       A       1         Short-circuit protection fuse, 600V       High fault       Short circuit current       KA       100         Fuse rating       A       60       Fuse class       J       Standard fault       Short circuit current       KA       5         Standard fault       Short circuit current       KA       5       Fuse rating       A       80         Contact rating of auxiliary contacts according to UL       A600 - P600       A600 - P600       A600 - P600         Musicat conditions       Ferse rating       A       80       A600 - P600         Contact rating of auxiliary contacts according to UL       A600 - P600       A600 - P600       A600 - P600         Musication       Storage temperature       min       °C       -50       A600         Generature       Min       °C       -50       Max       °C       70         Storage temperature       Min       °C       -60 </td <td></td> <td></td> <td>460/480V</td> <td>HP</td> <td>10</td>			460/480V	HP	10
Contactor         AC current         A         32           Auxilliary contacts         AC voltage         V         600           AC current         A         10           DC voltage         V         250           DC current         A         1           Short-circuit protection fuse, 600V         High fault         A         1           Short-circuit protection fuse, 600V         High fault         KA         100           Short-circuit protection fuse, 600V         High fault         A         60           Fuse rating         A         60         5           Standard fault         Short circuit current         KA         5           Standard fault         Short circuit current         KA         5           Standard fault         Short circuit current         KA         5           Fuse rating of auxiliary contacts according to UL         A600 - P600         A600 - P600           Maxilitude         min         °C         70           Storage temperature         min         °C         70           Storage temperature         min         °C         70           Max altitude         min         °C         60           Max altitude			575/600V	HP	15
AC current     A     32       Auxiliary contacts     AC voltage     V     600       AC current     A     10       DC voltage     V     250       DC voltage     V     250       DC current     A     1       Short-circuit protection fuse, 600V     KA     100       High fault     Short circuit current     KA     100       Fuse rating     A     60     5       Standard fault     Short circuit current     KA     5       Standard fault     Short circuit current     KA     5       Contact rating of auxiliary contacts according to UL     X     A600 - P600       Vmbient conditions     X     600     70       Temperature     min     °C     -50       max     °C     70     70       Storage temperature     min     °C     -60       Max altitude     max     °C     80       At altitude     max     °C     80       At altitude     max     °C     80	General USE				
Auxiliary contacts       AC voltage       V       600         AC current       A       10         DC voltage       V       250         DC voltage       V       250         DC current       A       1         Short-circuit protection fuse, 600V       High fault       A       100         Fuse rating       A       60       60         Fuse rating       A       80       60         Contact rating of auxiliary contacts according to UL       A       80         Contact rating of auxiliary contacts according to UL       A600 - P600       A600 - P600         Vmbient conditions       T       A600 - P600       A600 - P600         Temperature       min       °C       -50       A600 - P600         Vax       °C       70       Storage temperature       Max       °C       70         Storage temperature       min       °C       -60       -60       max       °C       80         Max altitude       wrdatitiude       mo       3 <t< td=""><td></td><td>Contactor</td><td></td><td></td><td></td></t<>		Contactor			
AC voltage     V     600       AC current     A     10       DC voltage     V     250       DC current     A     1   Short-circuit protection fuse, 600V       High fault     Short circuit current     KA     100   Fuse rating A 600 Fuse rating A 80 Contact rating of auxiliary contacts according to UL Mabient conditions Femperature Operating temperature Max °C °C °C Storage temperature Max altitude min °C °C 80 Max altitude Pollution degree Solution d			AC current	А	32
AC current A 10 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V High fault Fuse fault Short circuit current KA 100 Fuse class J Standard fault Short circuit current KA 5 Fuse rating A 80 Contact rating of auxiliary contacts according to UL About - P600 About - P6		Auxiliary contacts			
DC voltage DC current     V     250 DC current       Short-circuit protection fuse, 600V High fault     A     100       Fuse rating     A     60       Fuse rating     A     60       Fuse class     J     J       Standard fault     Short circuit current     kA     5       Standard fault     Short circuit current     kA     5       Contact rating of auxiliary contacts according to UL     A     80       Contact rating of auxiliary contacts according to UL     A     600 - P600       Ambient conditions     Fuse rating     A     80       Contact rating of auxiliary contacts according to UL     A     600 - P600       Ambient conditions     Fuse rating     A     80       Contact rating of auxiliary contacts according to UL     A     600 - P600       Ambient conditions     Fuse rating     A     80       Contact rating of auxiliary contacts according to UL     A     600 - P600       Ambient conditions     Fuse rating     C     -50       Temperature     min     °C     -50       Max altitude     min     °C     -60       Max altitude     m     3000			AC voltage	V	600
DC current       A       1         Short-circuit protection fuse, 600V       High fault       KA       100         Fuse rating       A       60         Fuse class       J       J         Standard fault       Short circuit current       KA       5         Standard fault       Short circuit current       KA       5         Contact rating of auxiliary contacts according to UL       A 600 - P600       A         Ambient conditions       A       600 - P600         Contact rating of auxiliary contacts according to UL       A 600 - P600         Ambient conditions       A       600 - P600         Contact rating of auxiliary contacts according to UL       A 600 - P600         Ambient conditions       To a conditions       To a conditions         Femperature       Min       °C       -50         Max altitude       min       °C       -50         Max altitude       m       3       3			AC current	А	10
DC current       A       1         Short-circuit protection fuse, 600V       High fault       KA       100         Fuse rating       A       60         Fuse class       J       J         Standard fault       Short circuit current       KA       5         Standard fault       Short circuit current       KA       5         Contact rating of auxiliary contacts according to UL       A 600 - P600       A         Ambient conditions       A       600 - P600         Contact rating of auxiliary contacts according to UL       A 600 - P600         Ambient conditions       A       600 - P600         Contact rating of auxiliary contacts according to UL       A 600 - P600         Ambient conditions       To a conditions       To a conditions         Femperature       Min       °C       -50         Max altitude       min       °C       -50         Max altitude       m       3       3			DC voltage	V	250
High fault       Short circuit current Fuse rating Fuse class       KA       100         Fuse rating Standard fault       Fuse class       J         Standard fault       Short circuit current Fuse rating       KA       5         Contact rating of auxiliary contacts according to UL       A       80         Anbient conditions       A       600 - P600         Contact rating of auxiliary contacts according to UL       A       600 - P600         Anbient conditions       A       600 - P600         Contact rating of auxiliary contacts according to UL       A       600 - P600         Anbient conditions       Fuse rating       A       80         Contact rating of auxiliary contacts according to UL       Fuse rating       A       80         Anbient conditions       Fuse rating       A       80       A         Contact rating of auxiliary contacts according to UL       Fuse rating       A       600 - P600         Anbient conditions       Fuse rating       Fuse rating       A       60       A         Contact rating of auxiliary contacts according to UL       Fuse rating       Fuse rating       A       60         Anotact rating of auxiliary contacts according to UL       Fuse rating       Fuse rating       Folo         Anotact ratin			DC current	А	1
Short circuit current     kA     100       Fuse rating     A     60       Fuse class     J       Standard fault     Short circuit current     kA     5       Fuse rating of auxiliary contacts according to UL     A     80       Contact rating of auxiliary contacts according to UL     A600 - P600       Ambient conditions     A600 - P600       Contact rating temperature     min     °C       Operating temperature     min     °C     -50       Max     °C     70     70       Storage temperature     min     °C     -60       Max altitude     m     3000	Short-circuit protec	tion fuse, 600V			
Fuse rating Fuse class       A       60         Standard fault       Short circuit current Fuse rating       kA       5         Solution       A       80         Contact rating of auxiliary contacts according to UL       A600 - P600         Ambient conditions       A600 - P600         Temperature       min       °C         Operating temperature       min       °C         Storage temperature       min       °C         Max altitude       m       3000         Resistance & Protection       3	-	High fault			
Fuse class       J         Standard fault       Short circuit current       kA       5         Fuse rating       A       80         Contact rating of auxiliary contacts according to UL       A600 - P600         Ambient conditions       A600 - P600         Comparating temperature       min       °C         Operating temperature       min       °C       -50         Storage temperature       min       °C       -60         Max altitude       m       3000       3		-	Short circuit current	kA	100
Standard fault       Short circuit current       kA       5         Fuse rating       A       80         Contact rating of auxiliary contacts according to UL       A600 - P600         Ambient conditions       Femperature         Coperating temperature       min       °C         Operating temperature       min       °C       70         Storage temperature       min       °C       60         Max altitude       m       3000       3			Fuse rating	А	60
Short circuit current Fuse rating       KA       5         Fuse rating       A       80         Contact rating of auxiliary contacts according to UL       A600 - P600         Ambient conditions       -         Temperature       0         Operating temperature       min         °C       -50         max       °C         Storage temperature       min         Max altitude       m         Resistance & Protection       3			Fuse class		J
Fuse rating       A       80         Contact rating of auxiliary contacts according to UL       A600 - P600         Ambient conditions       -         Temperature       0         Operating temperature       min       °C		Standard fault			
Contact rating of auxiliary contacts according to UL       A600 - P600         Ambient conditions       Femperature         Operating temperature       min °C -50         Max       °C 70         Storage temperature       min °C -60         Max altitude       m< 3000			Short circuit current	kA	5
Ambient conditions Temperature Operating temperature  Min °C -50 max °C 70  Storage temperature  Max altitude Max altitude Max altitude Max altitude Max altitude Pollution degree 3			Fuse rating	А	80
Femperature       Min       °C       -50         max       °C       70         Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection       3	Contact rating of au	ixiliary contacts according to UL			A600 - P600
Operating temperature       min       °C       -50         max       °C       70         Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection       3	Ambient conditions				
min       °C       -50         max       °C       70         Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection       3	Temperature				
max       °C       70         Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection       3		Operating temperature			
Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection       3			min	°C	-50
min     °C     -60       max     °C     80       Max altitude     m     3000       Resistance & Protection     3			max	°C	70
min     °C     -60       max     °C     80       Max altitude     m     3000       Resistance & Protection     3		Storage temperature			
Max altitude m 3000 Resistance & Protection Pollution degree 3			min	°C	-60
Resistance & Protection       3         Pollution degree       3			max	°C	80
Pollution degree 3	Max altitude			m	3000
	Resistanc <u>e &amp; Prote</u>	ection			
Dimensions	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/BS 60947-1
	IEC/EN/BS 60947-4-1
	UL 60947-1
	UL 60947-4-1
Certificates	
	CCC
The sh	eventeristics described in this desument are subject to undates as modifications at any time. The descriptions technical and

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



## **BF1810A230** SCHÜTZ BF1810A, 3P+1S, 18A AC3, 230V 50/60HZ

CULus EAC ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching