

Selection and Order Code

AC890CS Series - AC-DC for DC Bus Connection



	Example	Block 1		Block 2				Block 3			Block 4	
		890CS	-	53	2320	B	0	-	B	00	-	U
Product family												
AC890 Common Bus Supply Unit		890CS										
Rating data												
Supply voltage												
400/500 V three-phase				53								
Current [A]												
Frame Size												
32						B						
54						B						
108						D						
162						D						
Auxiliary supply												
None												0
Brake switch												
Fitted												B
Special option												
None												00
Language												
English (50/60 Hz)												U

AC890CA Series - Common Bus Adapter

	Example	Block 1		Block 2				Block 3			Block 4	
		890CA	-	53	2500	B	0	-	R	00	-	U
Product family												
AC890 Common Bus Adapter		890CA										
Rating data												
Supply voltage												
400/500 V three-phase				53								
Current [A]												
Frame Size												
50						B						
80						B						
Auxiliary supply												
None												0
Hardware characteristics												
None (80 A only)												0
Ride through capacitors only (50 A only)												R
Special option												
None												00
Language												
English (50/60 Hz)												U



AC890CD Series - Common Bus Drive <37 kW

Example		Block 1		Block 2					Block 3			Block 4				
		890CD	-	23	1300	B	0	-	B	00	-	1	A	0	0	0
Product family																
AC890 Common Bus Drive		890CD														
Rating data																
Supply voltage																
230 V nominal																
23																
Vector Mode Servo Mode Frame																
kW/A HP/A kW/A HP/A																
320 VDC 320 VDC 320 VDC 320 VDC																
Power/Current Rating	0.55/3.0 0.75/3.0 0.55/2.2 0.75/2.2 B 1300 B															
	1.1/5.5 1.5/5.5 1.1/4.0 1.5/4.0 B 1550 B															
	1.5/7.0 2.0/7.0 1.5/6.0 2.0/6.0 B 1700 B															
	2.2/11 3.0/11 2.2/8.0 3.0/8.0 B 2110 B															
	4.0/16.5 5.0/16.5 4.0/12 5.0/12 B 2165 B															
	5.5/24 7.5/24 5.5/24 7.5/24 C 2240 C															
	7.5/30 10/30 7.5/30 10/30 C 2300 C															
	Supply voltage															
500 V nominal																
53																
Vector Mode Servo Mode Frame																
kW/A HP/A kW/A HP/A																
560 VDC 650-705 VDC 320 VDC 320 VDC																
Power/Current Rating	0.55/2.0 0.75/2.0 0.55/1.5 0.75/1.5 B 1200 B															
	1.1/3.5 1.5/3.5 1.1/2.5 1.5/2.5 B 1350 B															
	1.5/4.5 2.0/4.5 1.5/3.5 2.0/3.5 B 1450 B															
	2.2/6.0 3.0/5.0 2.2/4.0 3.0/4.0 B 1600 B															
	4.0/10 5.0/8.0 4.0/6.0 5.0/6.0 B 2100 B															
	5.5/12 7.5/12 5.5/9.0 7.5/9.0 B 2120 B															
	7.5/16 10/14 7.5/12 10/10 B 2160 B															
	7.5/- 10/- 7.5/16 10/14 B 216S B															
	11/24 15/24 11/20 15/20 C 2240 C															
	15/30 20/27 15/25 20/22 C 2300 C															
	15/30 20/30 15/30 20/28 C 230S C															
	18.5/39 25/35 18.5/35 25/29 D 2390 D															
	22/45 30/40 22/38 30/34 D 2450 D															
	30/59 40/52 30/50 40/45 D 2590 D															
Auxiliary supply																
Not required (not available on frames B-E)																
0																
Brake switch																
Not fitted																
0																
Special option																
None																
00																
Documented special options (01-99) (Refer to local sales office)																
Performance																
Advanced																
1																
High																
2																
Language																
English (50 Hz)																
A																
English (60 Hz)																
B																
Option F																
None																
0																
SinCos Encoder (EnDat2.1)																
1																
Incremental Quadrature Encoder																
3																
Resolver																
5																
8902/M1 Sin/Cos Registration																
7																
Option A																
Not Fitted																
0																
CANopen																
N																
ControlNet																
C																
DeviceNet																
D																
Ethernet IP																
H																
Modbus/TCP																
T																
PROFIBUS DP																
P																
PROFINET																
F																
RS485/Modbus																
S																
8903/M1 Sin/Cos Registration																
7																
Option B																
Not Fitted																
0																
Firewire 1394A																
A																



AC890CD Series - Common Bus Drive >37 kW

Example										Block 1	Block 2				Block 3		Block 4							
										890CD	-	43	2730	E	0	-	0	00	-	1	A	0	0	0
Product family																								
AC890 Common Bus Drive										890CD														
Rating data																								
Supply voltage																								
400 V nominal										43														
Induction Mode										Servo Mode				Frame										
		Constant		Quadratic		Constant		Quadratic																
		kW/A	HP/A	kW/A	HP/A	kW/A	HP/A	kW/A	HP/A															
		560 VDC	650 VDC	560 VDC	650 VDC	560 VDC	650 VDC	560 VDC	650 VDC															
Power/ Current Rating		37/73	50/73	45/87	60/87	37/73	50/73	45/76	60/76	E		2730		E										
		45/87	60/87	55/105	75/105	45/87	60/87	55/90	75/90	E		2870		E										
		55/105	75/100	75/145	100/125	55/78	75/74	75/126	100/108	F		3105		F										
		75/145	100/130	90/165	125/156	75/110	100/99	90/143	125/135	F		3145		F										
		90/180	125/156	110/205	150/180	90/135	125/117	110/176	150/154	F		3156		F										
		90/180	150/180	-	-	90/135	150/135	-	-	F		3180		F										
Supply voltage																								
500 V nominal										53														
Induction Mode										Servo Mode				Frame										
		Constant		Quadratic		Constant		Quadratic																
		kW/A	HP/A	kW/A	HP/A	kW/A	HP/A	kW/A	HP/A															
		705 VDC	705 VDC	705 VDC	705 VDC	705 VDC	705 VDC	705 VDC	705 VDC															
Power/ Current Rating		37/67	-	45/79	-	37/67	-	45/69	-	E		2730		E										
		45/79	-	55/98	-	45/79	-	55/84	-	E		2870		E										
		55/100	-	75/125	100/125	55/74	-	75/93	100/93	F		3105		F										
		75/125	-	90/156	125/156	75/95	-	90/118	125/118	F		3145		F										
		90/156	-	-	-	90/117	-	-	-	F		3156		F										
Auxiliary supply																								
Not required (not available on frames B-E)										0														
115 V 1-phase (frame F only)										1														
230 V 1-phase (frame F only)										2														
Brake switch																								
Not fitted										0														
Special option																								
None										00														
Active Front End ('Y' caps removed - only available on frames E-F)										07														
Documented special options (01-99) (Refer to local sales office)																								
Performance																								
Advanced										1														
High										2														
Language																								
English (50 Hz)										A														
English (60 Hz)										B														
Option F																								
None										0														
SinCos Encoder (EnDat2.1)										1														
Incremental Quadrature Encoder										3														
Resolver										5														
8902/M1 Sin/Cos Registration										7														
Option A																								
Not Fitted										0														
CANopen										N														
ControlNet										C														
DeviceNet										D														
Ethernet IP										H														
Modbus/TCP										T														
PROFIBUS										P														
PROFINET										F														
RS485/Modbus										S														
8903/M1 Sin/Cos Registration										7														
Option B																								
Not Fitted										0														
Firewire 1394A										A														



AC890SD Series - Standalone Drive <37 kW

Example		Block 1		Block 2					Block 3			Block 4				
		890SD	-	23	1300	B	0	-	B	00	-	1	A	0	0	0
Product family																
Standalone AC890 Drive		890SD														
Rating data																
Supply voltage																
230 V nominal		23														
Power/Current Rating	Induction Mode	Servo Mode				Frame										
	kW/A	HP/A	kW/A	HP/A												
	230 VAC	230 VAC	230 VAC	230 VAC												
	0.55/3.0	0.75/3.0	0.55/2.2	0.75/2.2	B		1300		B							
	1.1/5.5	1.5/5.5	1.1/4.0	1.5/4.0	B		1550		B							
	1.5/7.0	2.0/7.0	1.5/6.0	2.0/6.0	B		1700		B							
	2.2/11	3.0/11	2.2/8.0	3.0/8.0	B		2110		B							
	4.0/16.5	5.0/16.5	4.0/12	5.0/12	B		2165		B							
	5.5/24	7.5/24	5.5/24	7.5/24	C		2240		C							
	7.5/30	10/30	7.5/30	10/30	C		2300		C							
Supply voltage																
500 V nominal		53														
Power/Current Rating	Induction Mode	Servo Mode				Frame										
	kW/A	HP/A	kW/A	HP/A												
	400 VAC	460 VAC	400 VAC	460 VAC												
	0.55/2.0	0.75/2.0	0.55/1.5	0.75/1.5	B		1200		B							
	1.1/3.5	1.5/3.5	1.1/2.5	1.5/2.5	B		1350		B							
	1.5/4.5	2.0/4.5	1.5/3.5	2.0/3.5	B		1450		B							
	2.2/6.0	3.0/5.0	2.2/4.0	3.0/4.0	B		1600		B							
	4.0/10	5.0/8.0	4.0/6.0	5.0/6.0	B		2100		B							
	5.5/12	7.5/12	5.5/9.0	7.5/9.0	B		2120		B							
	7.5/16	10/14	7.5/12	10/10	B		2160		B							
	7.5/16	10/14	7.5/16	10/14	B		216S		B							
	11/24	15/24	11/20	15/20	C		2240		C							
	15/30	20/27	15/25	20/22	C		2300		C							
	15/30	20/30	15/30	20/28	C		230S		C							
	18.5/39	25/35	18.5/35	25/29	D		2390		D							
22/45	30/40	22/38	30/34	D		2450		D								
30/59	40/52	30/50	40/45	D		2590		D								
Auxiliary supply																
Not Required (not available on frames B-D)		0														
Brake switch																
Not fitted		0														
Brake switch fitted (mandatory frames B-F)		B														
Special option																
None		00														
Documented special options (01-99) (Refer to local sales office)																
Performance																
Advanced		1														
High		2														
Language																
English (50 Hz)		A														
English (60 Hz)		B														
Option F																
None		0														
SinCos Encoder (EnDat2.1)		1														
Incremental Quadrature Encoder		3														
Resolver		5														
8902/M1 Sin/Cos Registration		7														
Option A																
Not Fitted		0														
CANopen		N														
ControlNet		C														
DeviceNet		D														
Ethernet IP		T														
Modbus/TCP		H														
PROFIBUS DP		P														
PROFINET		F														
RS485/Modbus		S														
8903/M1 Sin/Cos Registration		7														
Option B																
Not Fitted		0														
Firewire 1394A		A														



AC890SD Series - Standalone Drive >37 kW

Example										Block 1	Block 2				Block 3		Block 4							
										890SD	-	43	2730	E	0	-	0	00	-	1	A	0	0	0
Product family																								
Standalone AC890 drive										890SD														
Rating data																								
Supply voltage																								
400 V nominal										43														
Induction Mode										Servo Mode														
Constant										Quadratic														
kW/A										HP/A														
400 VAC										460 VAC														
Power/	37/73	50/73	45/87	60/87	37/73	50/73	45/76	60/76	E	2730	E													
Current	45/87	60/87	55/105	75/105	45/87	60/87	55/90	75/90	E	2870	E													
Rating	55/105	75/100	75/145	100/125	55/78	75/74	75/126	100/108	F	3105	F													
	75/145	100/130	90/165	125/156	75/110	100/99	90/143	125/135	F	3145	F													
	90/180	125/156	110/205	150/180	90/135	125/117	110/176	150/154	F	3156	F													
	90/180	150/180	-	-	90/135	150/135	-	-	F	3180	F													
	110/216	175/216	132/260	200/260	110/153	175/153	132/210	200/210	G	3216	G													
	132/250	200/250	150/302	250/302	132/171	200/171	150/237	250/237	G	3250	G													
	160/316	250/316	180/361	300/361	160/224	250/224	180/286	300/286	G	3316	G													
	180/361	300/361	220/420	350/420	180/253	300/253	220/331	350/331	G	3361	G													
	200/375	-	250/480	-	200/268	-	250/343	-	H	3375	H													
	220/420	350/420	250/480	400/480	220/300	350/300	250/383	400/383	H	3420	H													
	250/480	400/480	300/545	450/545	250/336	400/336	300/428	450/428	H	3480	H													
	280/520	450/520	315/590	500/590	280/368	450/368	315/368	500/465	H	3520	H													
	315/590	500/590	355/650	550/650	315/411	500/411	355/471	550/471	J	3590	J													
Supply voltage																								
500 V nominal										53														
Induction Mode										Servo Mode														
Constant										Quadratic														
kW/A										HP/A														
500 VAC										500 VAC														
Power/	37/67	-	45/79	-	37/67	-	45/69	-	E	2730	E													
Current	45/79	60/79	55/98	75/98	45/79	-	55/84	-	E	2870	E													
Rating	55/100	-	75/125	100/125	55/74	-	75/93	100/93	F	3105	F													
	75/125	-	90/156	125/156	75/95	-	90/118	125/118	F	3145	F													
	90/156	-	110-180	-	90/117	-	-	-	F	3156	F													
Auxiliary supply																								
Not fitted (not available on frames B-E)										0														
115 V 1-phase (frames F-J only)										1														
230 V 1-phase (frames F-J only)										2														
Brake switch																								
Not fitted										0														
Brake switch fitted (option on frame F-J only)										B														
Special option																								
None										00														
Active Front End (*Y caps removed - only available on frames E-F)										07														
Documented special options (01-99) (Refer to local sales office)																								
Performance																								
Advanced										1														
High										2														
Language																								
English (50 Hz)										A														
English (60 Hz)										B														
Option F																								
None										0														
SinCos Encoder (EnDat2.1)										1														
Incremental Quadrature Encoder										3														
Resolver										5														
8902/M1 Sin/Cos Registration										7														
Option A																								
Not Fitted										0														
CANopen										N														
ControlNet										C														
DeviceNet										D														
Ethernet IP										H														
Modbus/TCP										T														
PROFIBUS DP										P														
PROFINET										F														
RS485/Modbus										S														
8903/M1 Sin/Cos Registration										7														
Option B																								
Not Fitted										0														
Firewire 1394A										A														