


REV	DATE	REVISION DESCRIPTION	BY	REV	DATE	REVISION DESCRIPTION	BY
1	01/28/05	[6590] Item 5 to Expando, + CL. BLK, +G10, +I6, +I8	RET				
2	10/03/06	[8413] Added wire 203A to bundle	RET				

G00 QTY	ITEM	PART No.	DESCRIPTION	
	21	1	18054-P00	CONN., MALE PIN
	2	2	18053-P00	CONN., MALE PIN .187 16-18 GA. SOLID
	23	3	18065-P00	CONN., FEMALE FLAG .187 16-18 GA.
	1	4	18045-P00	AMP CONN. HOUSING
610mm	2	5	18072-P10	3/4" Expando
	2	6	716818-C00	POSITRONICS, MALE PIN
23594mm	1	7	703419-A41	WIRE, 18GA
	1	8	19938-P00	POSITRONICS 4 PIN CONNECTOR

PLUG PIN REF.	WIRE# (AM)	TERMINAL 1	TERMINAL 2	LENGTH	AUX. SWITCH	FUNCTION (AM)
1-1	5	18065-P00	18053-P00	928		+ CTRL. PWR.
1-2	102	18065-P00	18054-P00	928		+ READY
1-3	103	18065-P00	18053-P00	928		- CTRL. PWR.
1-4	7	18065-P00	18054-P00	1078		+ CLOSE
1-5	6	716818-C00	18054-P00	102		CLOSE BLOCK
1-6	9	18065-P00	18054-P00	915		+ TRIP
1-7	10	18065-P00	18054-P00	1078		- TRIP
1-8	15	18065-P00	18054-P00	915	+ a1	+ a1
1-9	16	18065-P00	18054-P00	915	- a1	- a1
1-10	51	18065-P00	18054-P00	902	+ a2	+ a2
1-11	52	18065-P00	18054-P00	902	- a2	- a2
1-12	55	18065-P00	18054-P00	915	+a3	+a3
1-13	56	18065-P00	18054-P00	915	- a3	- a3
1-14	59	18065-P00	18054-P00	915	+a4	+a4
1-15	60	18065-P00	18054-P00	915	- a4	- a4
1-16	13	18065-P00	18054-P00	940	+ b1	+ b1
1-17	14	18065-P00	18054-P00	940	- b1	- b1
1-18	53	18065-P00	18054-P00	953	+ b2	+ b2
1-19	54	18065-P00	18054-P00	953	- b2	- b2
1-20	57	18065-P00	18054-P00	940	+ b3	+ b3
1-21	58	18065-P00	18054-P00	940	- b3	- b3
1-22	61	18065-P00	18054-P00	953	+ b4	+ b4
1-23	62	18065-P00	18054-P00	953	- b4	- b4
1-24	OPEN					
1-25	OPEN					
	200	18065-P00	tinned	381		
	206	18065-P00	tinned	381		
	6A	18065-P00	716818-C00	1080		- CLOSE
	203A	18065-P00	tinned	267		33LSa

DIMENSIONS ARE IN MILLIMETERS

REF	ADVAC EU	REV	2	TITLE	OPTIONAL WIRE BUNDLE
	18084, 18085	DATE DRN	2/16/02	DATE REL	4/4/03
	CREATED FROM 18023	DWG NO.	18086		
		DRN	GRC	CKD	APP'D
				PRT	PRT
		THIS DRAWING IS THE PROPERTY OF ABB AND CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION WHICH MUST NOT BE DUPLICATED USED OR DISCLOSED OTHER THAN AS EXPRESSLY AUTHORIZED BY ABB.			SHEET 1 OF 4
				ABB Inc. FLORENCE, S.C., U.S.A.	
ECN	6360				

DIMENSIONS IN MILLIMETERS

GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED THE FOLLOWING TOLERANCES ARE APPLICABLE

LINEAR	OVER TO	0.5	6	30	120	120	315	1000	2000
TOL	±	0.1	0.2	0.3	0.5	0.8	1.2		

ANGULAR

LENGTH (100%)	OVER TO	0	10	50	120	400
TOL	±	1°	0'30"	0'20"	0'10"	

G00 OPTIONAL ADVAC EU. WIRE BUNDLE
 MARK WIRES ON BOTH ENDS.


REV	DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION	BY
1	01/28/05	[6590] Item 5 to Expando, + CL. BLK, +G10, +16, +18	RET			
2	10/03/06	[8413] Added wire 203A to bundle	RET			

G00 QTY	ITEM	PART No.	DESCRIPTION
18	1	18054-P00	CONN., MALE PIN
1	2	18045-P00	AMP CONN. HOUSING
18	3	18065-P00	CONN., FEMALE FLAG .187 16-18 GA.
6100mm	4	18072-P10	3/4" Expando
	5		
	6		
15373mm	7	703419-A41	WIRE, 18GA

PLUG PIN REF.	WIRE# (AM)	TERMINAL 1	TERMINAL 2	LENGTH	AUX. SWITCH	FUNCTION (AM)
2-1						
2-2						
2-3						
2-4						
2-5	815	18065-P00	18054-P00	838	+ a5	+ a5
2-6	816	18065-P00	18054-P00	838	- a5	- a5
2-7	851	18065-P00	18054-P00	851	+ a6	+ a6
2-8	852	18065-P00	18054-P00	851	- a6	- a6
2-9	855	18065-P00	18054-P00	826	+ a7	+ a7
2-10	856	18065-P00	18054-P00	826	- a7	- a7
2-11	859	18065-P00	18054-P00	838	+ a8	+ a8
2-12	860	18065-P00	18054-P00	838	- a8	- a8
2-13	863	18065-P00	18054-P00	851	+ a9	+ a9
2-14	864	18065-P00	18054-P00	851	- a9	- a9
2-15	813	18065-P00	18054-P00	864	+ b5	+ b5
2-16	814	18065-P00	18054-P00	864	- b5	- b5
2-17	853	18065-P00	18054-P00	877	+ b9	+ b9
2-18	854	18065-P00	18054-P00	877	- b6	- b6
2-19	857	18065-P00	18054-P00	864	+ b7	+ b7
2-20	858	18065-P00	18054-P00	864	- b7	- b7
2-21	861	18065-P00	18054-P00	877	+ b8	+ b8
2-22	862	18065-P00	18054-P00	877	- b8	- b8
2-23	OPEN					
2-24	OPEN					
2-25	OPEN					

G00 OPTIONAL ADVAC EU. WIRE BUNDLE
 MARK WIRES ON BOTH ENDS.

DIMENSIONS ARE IN MILLIMETERS

REF	ADVAC EU	REV	2	TITLE	OPTIONAL WIRE BUNDLE
	18084, 18085	DATE DRN	2/16/02	DATE REL	4/4/03
	CREATED FROM 18023	DWG NO.	18086		
		DRN	GRC	CKD	APP'D
		THIS DRAWING IS THE PROPERTY OF ABB AND CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION WHICH MUST NOT BE DUPLICATED USED OR DISCLOSED OTHER THAN AS EXPRESSLY AUTHORIZED BY ABB.			
				ABB Inc. FLORENCE, S.C., U.S.A.	
ECN No.	6360				

DIMENSIONS IN MILLIMETERS

GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED THE FOLLOWING TOLERANCES ARE APPLICABLE

LINEAR	OVER TO	0.5	6	30	120	315	1000	2000
TOL	±	0.1	0.2	0.3	0.5	0.8	1.2	

ANGULAR


LENGTH (mm)	OVER TO	0	10	50	120	400
TOL	±	1°	0'30"	0'20"	0'10"	

REV	DATE	REVISION DESCRIPTION	BY	DATE	REV	DESCRIPTION	BY
1	01/28/05	[6590] Item 5 to Expando, + CL. BLK, +G10, +I6, +I8	RET				
2	10/03/06	[8413] Added wire 203A to bundle	RET				

G00 QTY	ITEM	PART No.	DESCRIPTION	
	21	1	18054-P00	CONN., MALE PIN
	2	2	18053-P00	CONN., MALE PIN .187 16-18 GA. SOLID
	23	3	18065-P00	CONN., FEMALE FLAG .187 16-18 GA.
	1	4	18045-P00	AMP CONN. HOUSING
610mm	5	18072-P10	3/4" Expando	
	4	6	716818-C00	POSITRONICS, MALE PIN
23594mm	7	703419-A41	WIRE, 18GA	
	1	8	19938-P00	POSITRONICS 4 PIN CONNECTOR

PLUG PIN REF.	WIRE# (AM)	TERMINAL 1	TERMINAL 2	LENGTH	AUX. SWITCH	FUNCTION (AM)
1-1	5	18065-P00	18053-P00	928		+ CTRL. PWR.
1-2	102	18065-P00	18054-P00	928		+ READY
1-3	103	18065-P00	18053-P00	928		- CTRL. PWR.
1-4	7	18065-P00	18054-P00	1078		+ CLOSE
1-5	6	716818-C00	18054-P00	102		CLOSE BLOCK
1-6	9	18065-P00	18054-P00	915		+ TRIP
1-7	10	18065-P00	18054-P00	1078		- TRIP
1-8	15	18065-P00	18054-P00	915	+ a1	+ a1
1-9	16	18065-P00	18054-P00	915	- a1	- a1
1-10	51	18065-P00	18054-P00	902	+ a2	+ a2
1-11	52	18065-P00	18054-P00	902	- a2	- a2
1-12	55	18065-P00	18054-P00	915	+a3	+a3
1-13	56	18065-P00	18054-P00	915	- a3	- a3
1-14	59	18065-P00	18054-P00	915	+a4	+a4
1-15	60	18065-P00	18054-P00	915	- a4	- a4
1-16	13	716818-C00	18054-P00	102		PIN MONITOR
1-17	14	18065-P00	18054-P00	940	- b1	- b1
1-18	53	18065-P00	18054-P00	953	+ b2	+ b2
1-19	54	18065-P00	18054-P00	953	- b2	- b2
1-20	57	18065-P00	18054-P00	940	+ b3	+ b3
1-21	58	18065-P00	18054-P00	940	- b3	- b3
1-22	61	18065-P00	18054-P00	953	+ b4	+ b4
1-23	62	18065-P00	18054-P00	953	- b4	- b4
1-24	OPEN					
1-25	OPEN					
	200	18065-P00	tinned	381		
	206	18065-P00	tinned	381		
	6A	18065-P00	716818-C00	1080		- CLOSE
	13A	18065-P00	716818-C00	1080		+ b
	203A	18065-P00	tinned	267		33LSa

DIMENSIONS ARE IN MILLIMETERS

REF ADVAC EU	REV 2	TITLE OPTIONAL WIRE BUNDLE
18084, 18085	DATE DRN 2/16/02	DATE REL 4/4/03
CREATED FROM 18023	DWG NO. 18086	SHEET 3 OF 4
NEXT ASSY	DRN GRC	CKD PRT
NEXT ASSY	APP'D PRT	
THIS DRAWING IS THE PROPERTY OF ABB AND CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION WHICH MUST NOT BE DUPLICATED USED OR DISCLOSED OTHER THAN AS EXPRESSLY AUTHORIZED BY ABB.		
		ABB Inc. FLORENCE, S.C., U.S.A.
ECN No. 6360		

DIMENSIONS IN MILLIMETERS

GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED THE FOLLOWING TOLERANCES ARE APPLICABLE

LINEAR	OVER TO	0.5	6	30	120	315	1000
TOL	±	0.1	0.2	0.3	0.5	0.8	1.2

ANGULAR

LENGTH (100°)	OVER TO	0	10	50	120	400
TOL	±	1°	0'30"	0'20"	0'10"	

OPTIONAL ADVAC EU. WIRE BUNDLE WITH PIN MONITOR
 MARK WIRES ON BOTH ENDS.

REV	DATE	REVISION DESCRIPTION	BY	REV	DATE	REVISION DESCRIPTION	BY
1	01/28/05	[6590] Item 5 to Expando, + CL. BLK, +G10, +I6, +I8	RET				
2	10/03/06	[8413] Added wire 203A to bundle	RET				

G00 QTY	ITEM	PART No.	DESCRIPTION
18	1	18054-P00	CONN., MALE PIN
1	2	18045-P00	AMP CONN. HOUSING
18	3	18065-P00	CONN., FEMALE FLAG .187 16-18 GA.
610mm	4	18072-P10	3/4" Expando
	5		
	6		
15373mm	7	703419-A41	WIRE, 18GA

PLUG PIN REF.	WIRE# (AM)	TERMINAL 1	TERMINAL 2	LENGTH	AUX. SWITCH	FUNCTION (AM)
2-1						
2-2						
2-3						
2-4						
2-5	815	18065-P00	18054-P00	838	+ a5	+ a5
2-6	816	18065-P00	18054-P00	838	- a5	- a5
2-7	851	18065-P00	18054-P00	851	+ a6	+ a6
2-8	852	18065-P00	18054-P00	851	- a6	- a6
2-9	855	18065-P00	18054-P00	826	+ a7	+ a7
2-10	856	18065-P00	18054-P00	826	- a7	- a7
2-11	859	18065-P00	18054-P00	838	+ a8	+ a8
2-12	860	18065-P00	18054-P00	838	- a8	- a8
2-13	863	18065-P00	18054-P00	851	+ a9	+ a9
2-14	864	18065-P00	18054-P00	851	- a9	- a9
2-15	813	18065-P00	18054-P00	864	+ b5	+ b5
2-16	814	18065-P00	18054-P00	864	- b5	- b5
2-17	853	18065-P00	18054-P00	877	+ b9	+ b9
2-18	854	18065-P00	18054-P00	877	- b6	- b6
2-19	857	18065-P00	18054-P00	864	+ b7	+ b7
2-20	858	18065-P00	18054-P00	864	- b7	- b7
2-21	861	18065-P00	18054-P00	877	+ b8	+ b8
2-22	862	18065-P00	18054-P00	877	- b8	- b8
2-23	OPEN					
2-24	OPEN					
2-25	OPEN					

(G10) OPTIONAL ADVAC EU. WIRE BUNDLE WITH PIN MONITOR
 MARK WIRES ON BOTH ENDS.

DIMENSIONS ARE IN MILLIMETERS

REF	ADVAC EU	REV	2	TITLE	OPTIONAL WIRE BUNDLE
	18084, 18085	DATE DRN	2/16/02	DATE REL	4/4/03
	CREATED FROM 18023	DWG NO.	18086		
		DRN	GRC	CKD	APP'D
		THIS DRAWING IS THE PROPERTY OF ABB AND CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION WHICH MUST NOT BE DUPLICATED USED OR DISCLOSED OTHER THAN AS EXPRESSLY AUTHORIZED BY ABB.			
		ABB		ABB Inc. FLORENCE, S.C., U.S.A.	
ECN	6360				

DIMENSIONS IN MILLIMETERS

GENERAL TOLERANCE UNLESS OTHERWISE SPECIFIED THE FOLLOWING TOLERANCES ARE APPLICABLE

LINEAR	OVER TO	0.5	6	30	120	315	1000
TOL	±	0.1	0.2	0.3	0.5	0.8	1.2

ANGULAR

LENGTH (120°)	OVER TO	0	10	50	120	400
TOL	±	1°	0'30"	0'20"	0'10"	