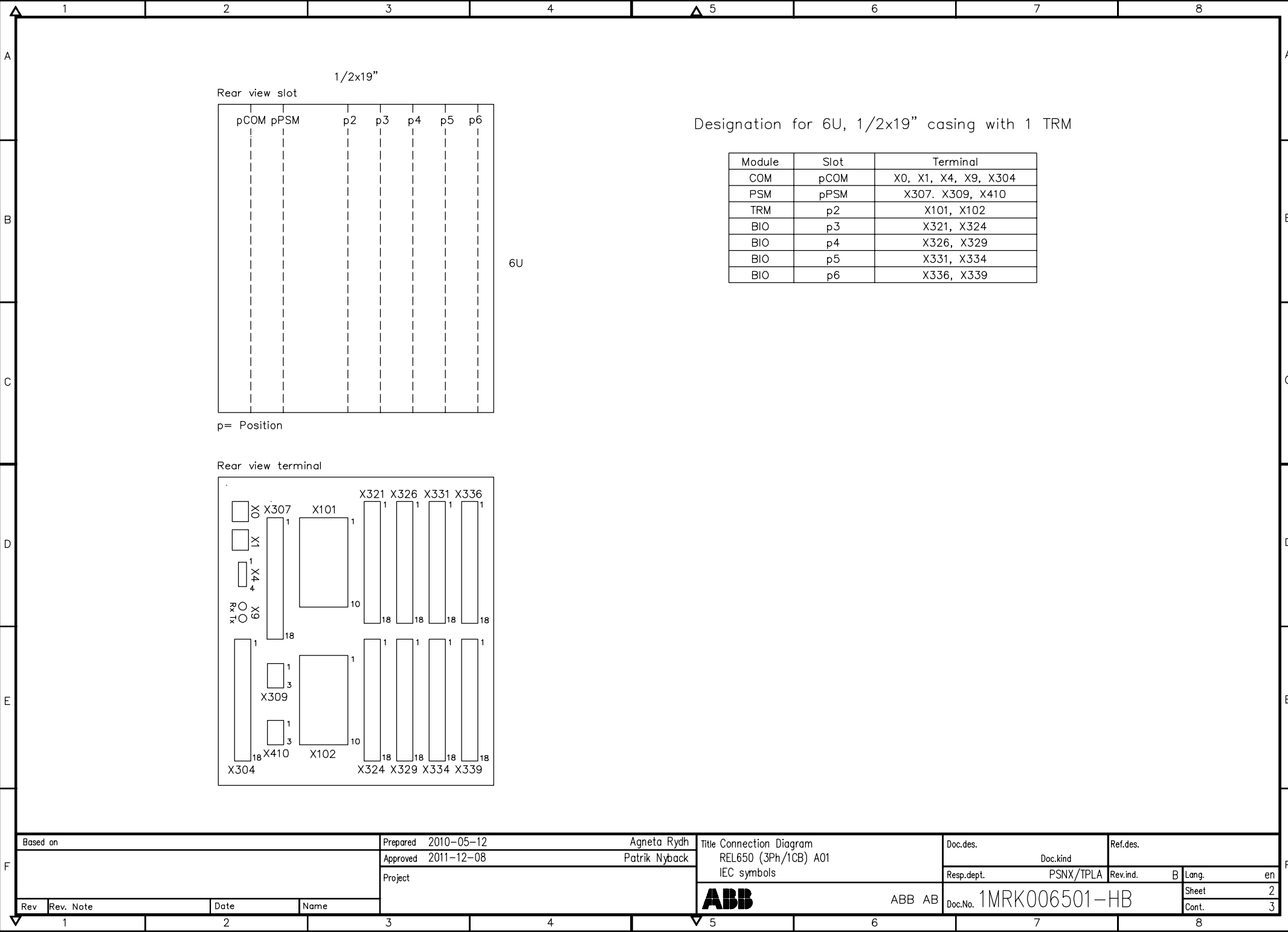


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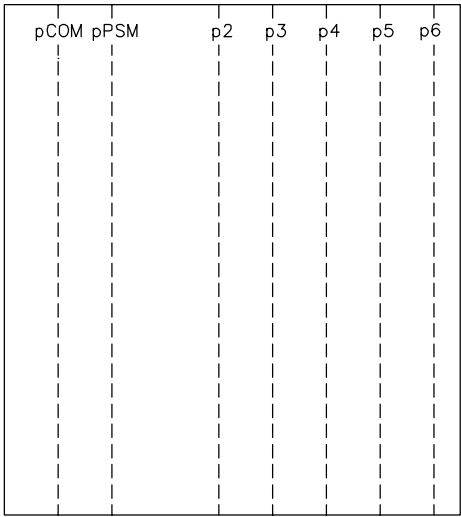
Based on		Prepared 2010-05-12	Agneta Rydh	Title Connection Diagram		Doc.des.	Ref.des.	
		Approved 2011-12-08	Patrik Nyback	REL650 (3Ph/1CB) A01		Doc.kind		
		Project		IEC symbols		Resp.dept.	PSNX/TPLA	Rev.ind. B
				<b>ABB</b> ABB AB		Doc.No. 1MRK006501-HB		Lang. en
Rev	Rev. Note	Date	Name			Sheet	1	
						Cont.	2	

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1/2x19"

Rear view slot



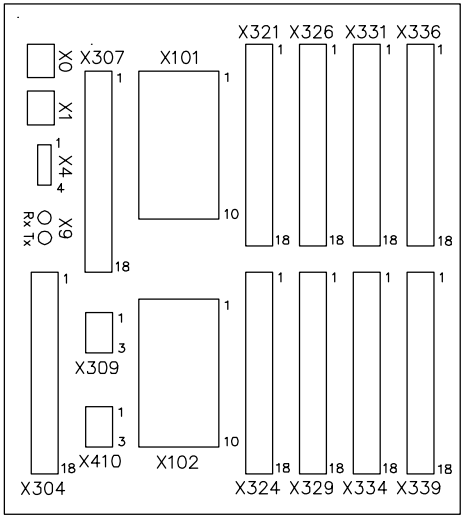
6U

Designation for 6U, 1/2x19" casing with 1 TRM

Module	Slot	Terminal
COM	pCOM	X0, X1, X4, X9, X304
PSM	pPSM	X307, X309, X410
TRM	p2	X101, X102
BIO	p3	X321, X324
BIO	p4	X326, X329
BIO	p5	X331, X334
BIO	p6	X336, X339

p= Position

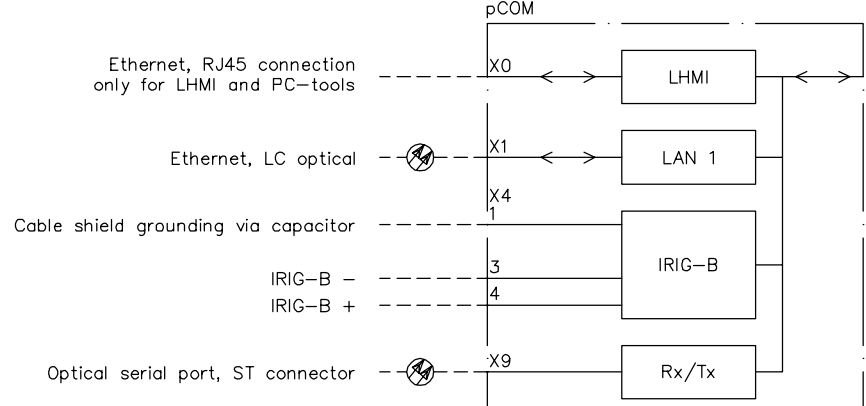
Rear view terminal



Based on		Prepared 2010-05-12	Agneta Rydh	Title Connection Diagram		Doc.des.	Ref.des.	
		Approved 2011-12-08	Patrik Nyback	REL650 (3Ph/1CB) A01		Doc.kind		
		Project		IEC symbols		Resp.dept.	PSNX/TPLA	Rev.ind. B
Rev	Rev. Note	Date	Name	<b>ABB</b> ABB AB		Doc.No. 1MRK006501-HB		Lang. en
1		2				Sheet 2		
						Cont. 3		

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Communication module (COM)



X304		CONFIGURATION
1	C1-4	
+ 2	BI01	// ZCOM_CR
+ 3	BI02	// ZCOM_CRG
+ 4	BI03	// EFCOM_CR
+ 5	BI04	// LINE_DTTR
+ 6	C5-8	
+ 7	BI05	// EXT_BBP_TRIP
+ 8	BI06	// AR_ON
+ 9	BI07	// AR_OFF
+ 10	BI08	// AR_RSTC
+ 11	C9-11	
+ 12	BI09	// EXT_AR_START
+ 13	BI10	// EXT_AR_INHIB
+ 14	BI11	// WA1_MCB_OK
+ 15	C12-14	
+ 16	BI12	// WA2_MCB_OK
+ 17	BI13	// LINE_MCB_OK
+ 18	BI14	// SPARE



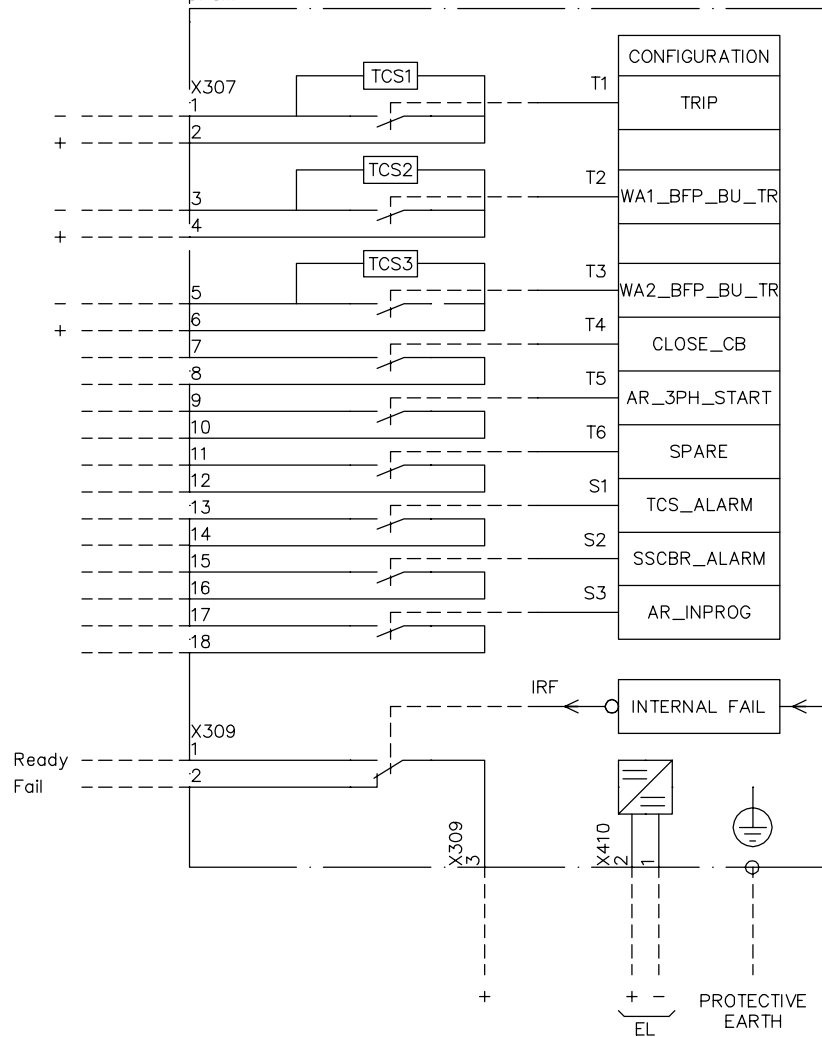
Observe polarity sequence of RL connectors

Based on		Prepared 2010-05-12	Agneta Rydh	Title Connection Diagram		Doc.des.	Ref.des.	
		Approved 2011-12-08	Patrik Nyback	REL650 (3Ph/1CB) A01		Doc.kind		
		Project		IEC symbols		Resp.dept.	PSNX/TPLA	Rev.ind. B
						Lang.	en	
Rev	Rev. Note	Date	Name	<b>ABB</b>		Doc.No. 1MRK006501-HB		Sheet 3
1		2						Cont. 4

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### Power supply module 48–125 VDC (PSM)

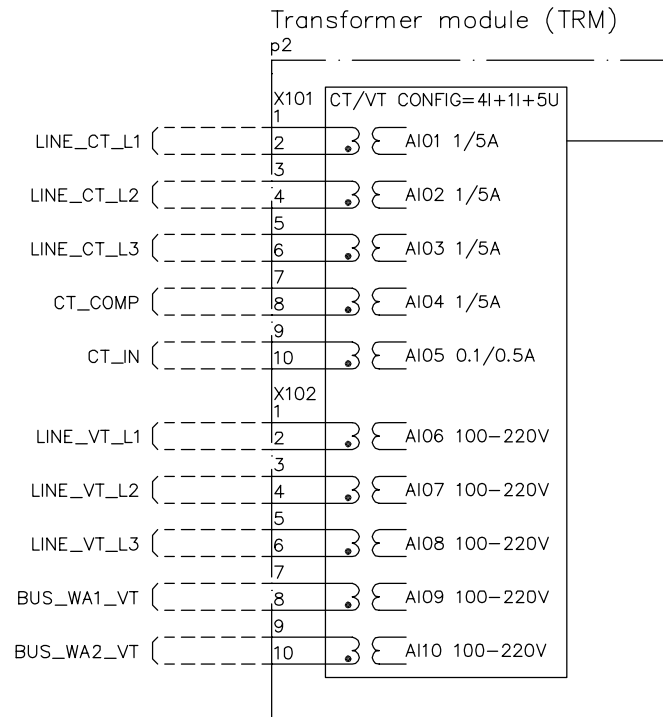
pPSM



Observe polarity sequence

Based on		Prepared 2010-05-12	Agneta Rydh	Title Connection Diagram		Doc.des.	Ref.des.	
		Approved 2011-12-08	Patrik Nyback	REL650 (3Ph/1CB) A01 and A05		Doc.kind		
		Project		IEC symbols		Resp.dept.	PSNX/TPLA	Rev.ind. B
						Lang.	en	
Rev	Rev. Note	Date	Name	<b>ABB</b>		Doc.No. 1MRK006501-HB		Sheet
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				ABB AB		Cont.		5





Compression or ringlug terminals

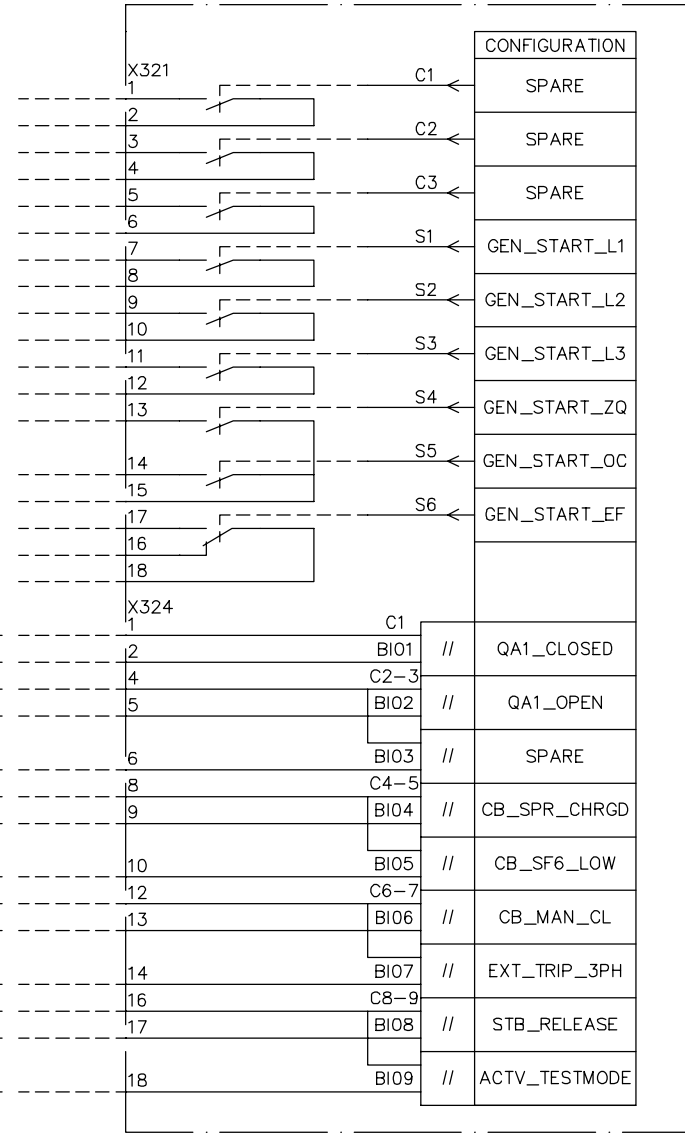
- Indicates high polarity. Note that internal polarity can be adjusted by setting of analog input CT neutral direction and or on SMAI pre-processing function blocks.

Based on		Prepared 2010-05-12	Agneta Rydh	Title Connection Diagram REL650 (3Ph/1CB) A01 IEC symbols	Doc.des.	Ref.des.	
		Approved 2011-12-08	Patrik Nyback		Doc.kind		
		Project		Resp.dept.	PSNX/TPLA	Rev.ind.	B Lang. en
Rev	Rev. Note	Date	Name	<b>ABB</b> ABB AB		Doc.No. 1MRK006501-HB	
1		2				Sheet 6	

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### Binary input/output module (BIO)

p3



Observe polarity sequence of RL connectors

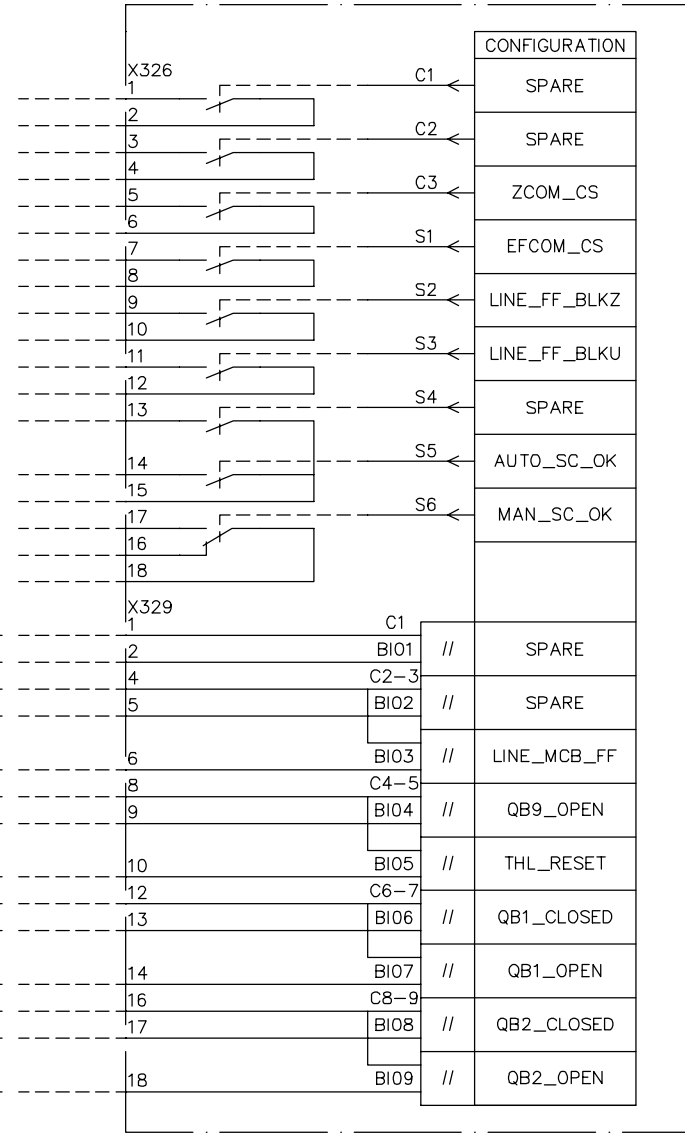
RL

Based on		Prepared 2010-05-12	Agneta Rydh	Title Connection Diagram		Doc.des.	Ref.des.	
		Approved 2011-12-08	Patrik Nyback	REL650 (3Ph/1CB) A01		Doc.kind		
		Project		IEC symbols		Resp.dept.	PSNX/TPLA	Rev.ind. B
				<b>ABB</b>		1MRK006501-HB		Lang. en
Rev	Rev. Note	Date	Name			Doc.No.		
1		2						Cont. 8

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### Binary input/output module (BIO)

p4



Observe polarity sequence of RL connectors

RL

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		Approved 2011-12-08	Patrik Nyback	REL650 (3Ph/1CB) A01		Doc.kind		
		Project		IEC symbols		Resp.dept.	PSNX/TPLA	Rev.ind. B
				<b>ABB</b>		1MRK006501-HB		Lang. en
Rev	Rev. Note	Date	Name			Doc.No.		
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