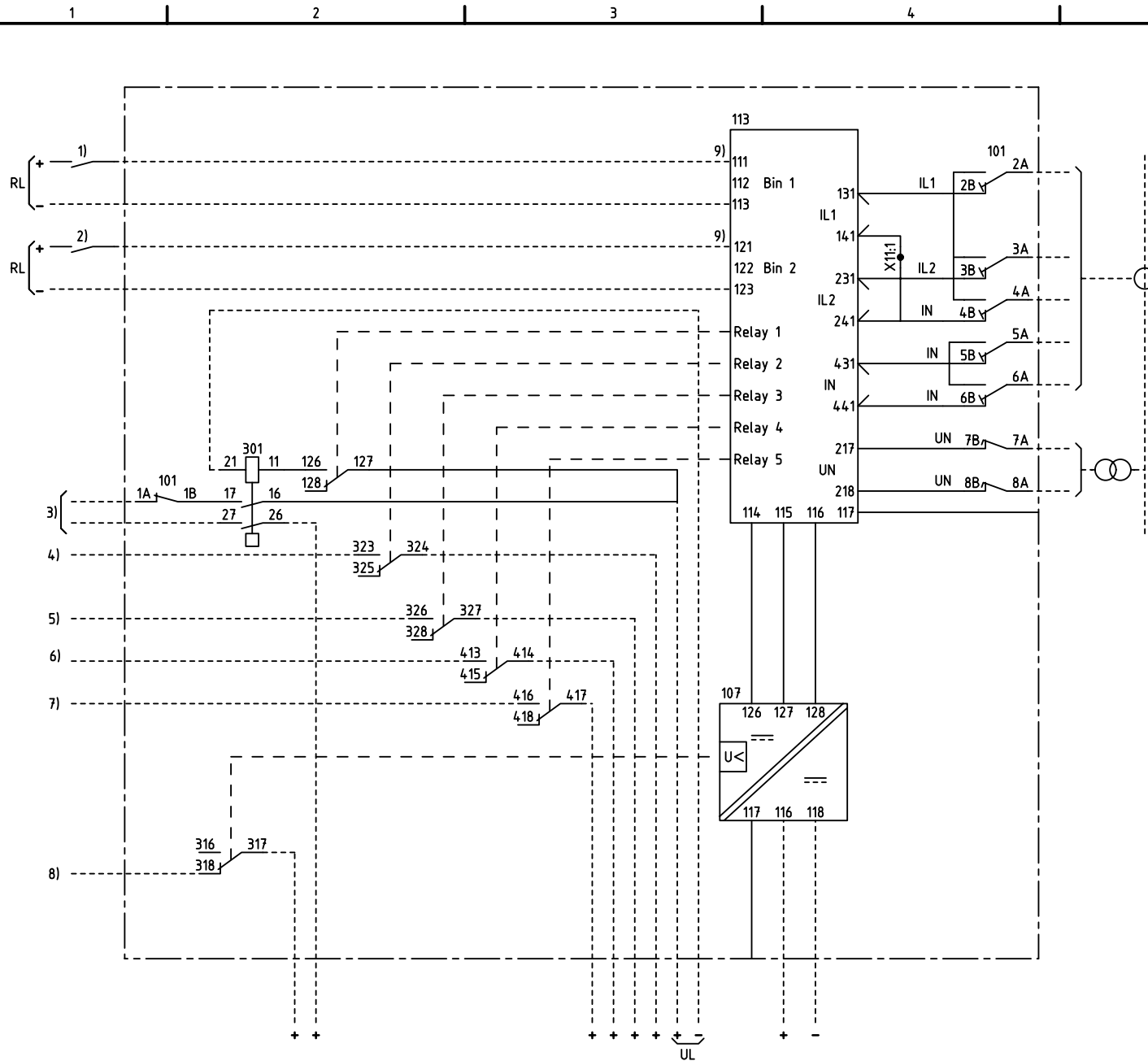


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MULTI-FUNCTION OVERCURRENT AND DIR. EARTH-FAULT PROTECTION

101	107	113	4U
301			

- 101 RTXP 8
- 107 RXTUG 22H
- 113 RXHL 421
- 301 RXME 18

- 1), 2) BINARY INPUT, PROGRAMMABLE
- 3)-7) RELAY OUTPUTS 1-5, PROGRAMMABLE FUNCTION
- 8) LOSS OF AUXILIARY VOLTAGE
- 9) CONNECTED FOR RL=110-220V DC  
CHANGE FROM 111 TO 112 AND 121 TO 122  
AT RL=48-60V DC

PROGRAMMABLE FUNCTIONS FOR BINARY INPUTS:  
BLOCKING/ENABLING I<, I>, I>>, DIR. IN>, UN>  
THERMAL RESET 0, BREAKER FAILURE EXTERNAL START,  
CHANGING OF CHARACTERISTIC ANGLE  $\alpha$  0° TO 90° OR -90° TO 0°;  
ALTERNATIVE SETTINGS; RESET OF LED INDICATIONS.

PROGRAMMABLE FUNCTIONS FOR BINARY OUTPUTS:  
START AND TRIP I>, I>>, I>>>, DIR. IN>, UN>;  
THERMAL ALARM 0; THERMAL TRIP 0;  
BREAKER FAILURE RE-TRIP; BREAKER FAILURE BACK-UP TRIP;  
ALTERNATIVE SETTINGS; IN SERVICE

BINARY INPUT OPTIONS:  
CIRCUIT-BREAKER CLOSED; CIRCUIT-BREAKER READY;  
BLOCKING OF AUTORECLOSING; AUTORECLOSING EXTERNAL ON.

BINARY OUTPUT OPTIONS:  
AUTORECLOSING ON; AUTORECLOSING READY;  
AUTORECLOSING STARTED;  
AUTORECLOSING PULSE TO CIRCUIT-BREAKER;  
AUTORECLOSING UNSUCCESSFUL; INTENTIONAL OVERREACH TRIP.

1MRK 001 097-DA

Customer drw no	Prep. PTUA/ TPTD H Raza/JE 2000-02-29	Circuit Diagram	Conf. sh/ No of sh				
	Appr. PTUA/ Roger Karlsson 2000-03-17			Multi-f dir. O/C prot.			
	Resp. dept PTUA/ TPTD						
Based on	ABB Automation Technologies		Document number	Lang.	Rev.	Sheet	
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