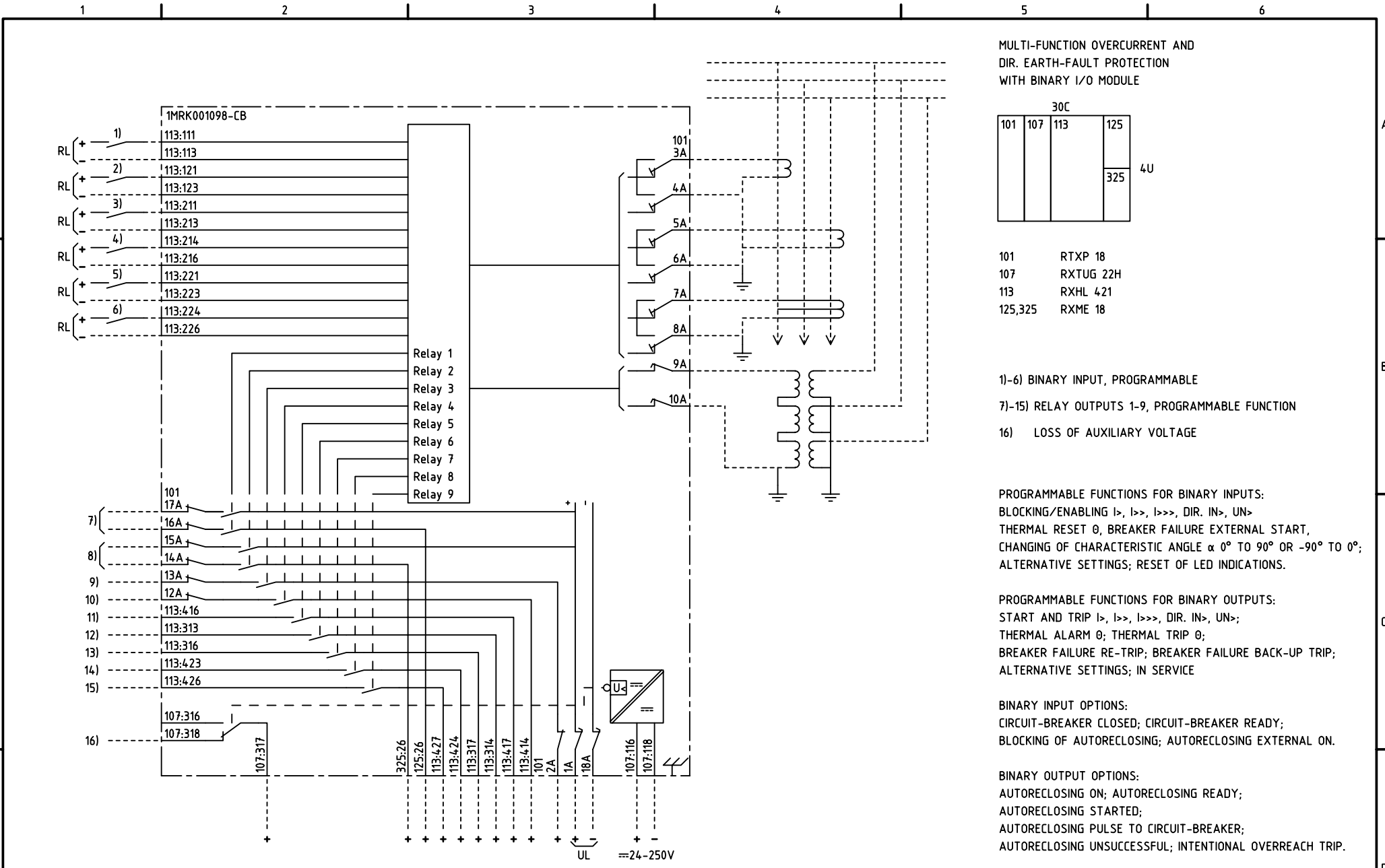


We reserve all rights in this document and in the information contained therein. Reproductions, use or distribution of this document without the written authority of ABB Automation Technologies AB is strictly forbidden.



MULTI-FUNCTION OVERCURRENT AND DIR. EARTH-FAULT PROTECTION WITH BINARY I/O MODULE

30C			
101	107	113	125
			325
4U			

- 101 RTXP 18
- 107 RXTUG 22H
- 113 RXHL 421
- 125,325 RXME 18

- 1)-6) BINARY INPUT, PROGRAMMABLE
- 7)-15) RELAY OUTPUTS 1-9, PROGRAMMABLE FUNCTION
- 16) LOSS OF AUXILIARY VOLTAGE

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

PROGRAMMABLE FUNCTIONS FOR BINARY OUTPUTS:
 START AND TRIP |>, |>>, |>>>, 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.

Customer drw no	Prep. PTUA/ TPTD H Raza/JE 2000-05-29	Connection Diagram	Conf. sh/ No of sh			
	Appr. PTUA/ Roger Karlsson 2000-05-29			Multi-f dir. O/C prot.		
	Resp. dept PTUA/ TPTD					
Based on	ABB ABB Automation Technologies		Document number 1MRK001098-CBA	Lang. en	Rev. A	Sheet 1

Document status: Approved