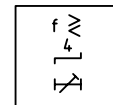
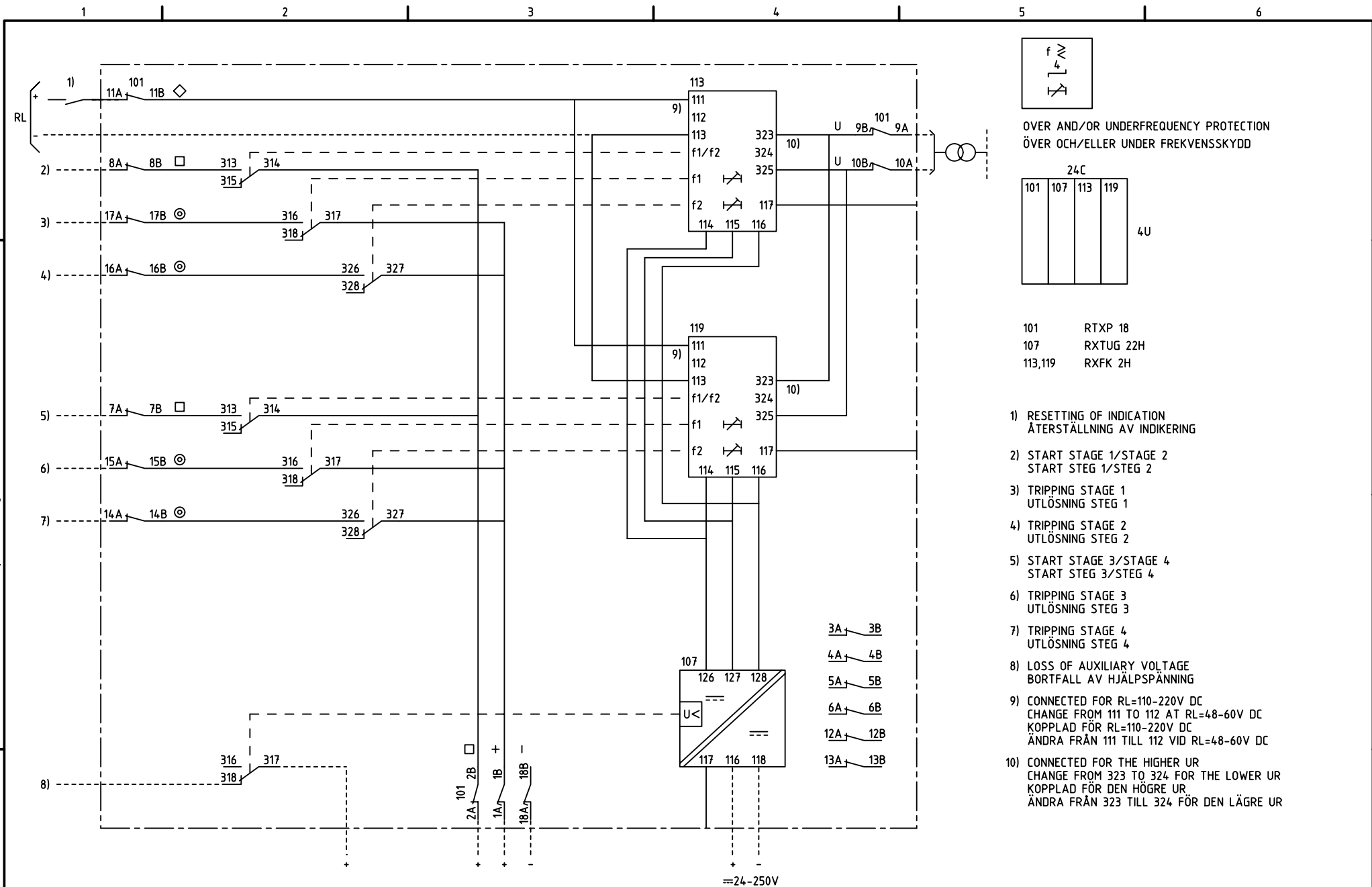
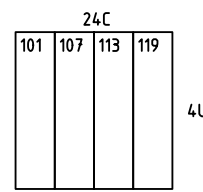


We reserve all rights in this document and in the information contained therein. Reproduction, use or distribution of this document without the written consent of ABB Network Partner AB is strictly forbidden.



OVER AND/OR UNDERFREQUENCY PROTECTION
ÖVER OCH/ELLER UNDER FREKVENSSKYDD



101 RTXP 18
107 RXTUG 22H
113,119 RXFK 2H

- 1) RESETTING OF INDICATION
ÅTERSTÄLLNING AV INDIKERING
- 2) START STAGE 1/STAGE 2
START STEG 1/STEG 2
- 3) TRIPPING STAGE 1
UTLÖSNING STEG 1
- 4) TRIPPING STAGE 2
UTLÖSNING STEG 2
- 5) START STAGE 3/STAGE 4
START STEG 3/STEG 4
- 6) TRIPPING STAGE 3
UTLÖSNING STEG 3
- 7) TRIPPING STAGE 4
UTLÖSNING STEG 4
- 8) LOSS OF AUXILIARY VOLTAGE
BORTFALL AV HJÄLPPSPÄNNING
- 9) CONNECTED FOR RL=110-220V DC
CHANGE FROM 111 TO 112 AT RL=48-60V DC
KOPPLAD FÖR RL=110-220V DC
ÄNDRA FRÅN 111 TILL 112 VID RL=48-60V DC
- 10) CONNECTED FOR THE HIGHER UR
CHANGE FROM 323 TO 324 FOR THE LOWER UR
KOPPLAD FÖR DEN HÖGRE UR
ÄNDRA FRÅN 323 TILL 324 FÖR DEN LÄGRE UR

ELCAD ID TPTD/render DATE 2004-06-227:39 1MRK 001 025-KA Issued in ARCADE

Prepared 96-03-06 C-H EINVALL/KJ		CIRCUIT DIAGRAM/KRETSSHEMA		Issued in ARCADE	
Approved 96-03-22 Peter Jenøker		RAFK FREQUENCY PROTECTION			
		RAFK FREKVENSSKYDD		Resp dep TPTD Rev ind 2 97.05 Lang 82	
Rev Ind	Revision	Reg No 7411	ABB ABB Network Partner AB		1MRK 001 026-KA
Based on	Pct 890.546				