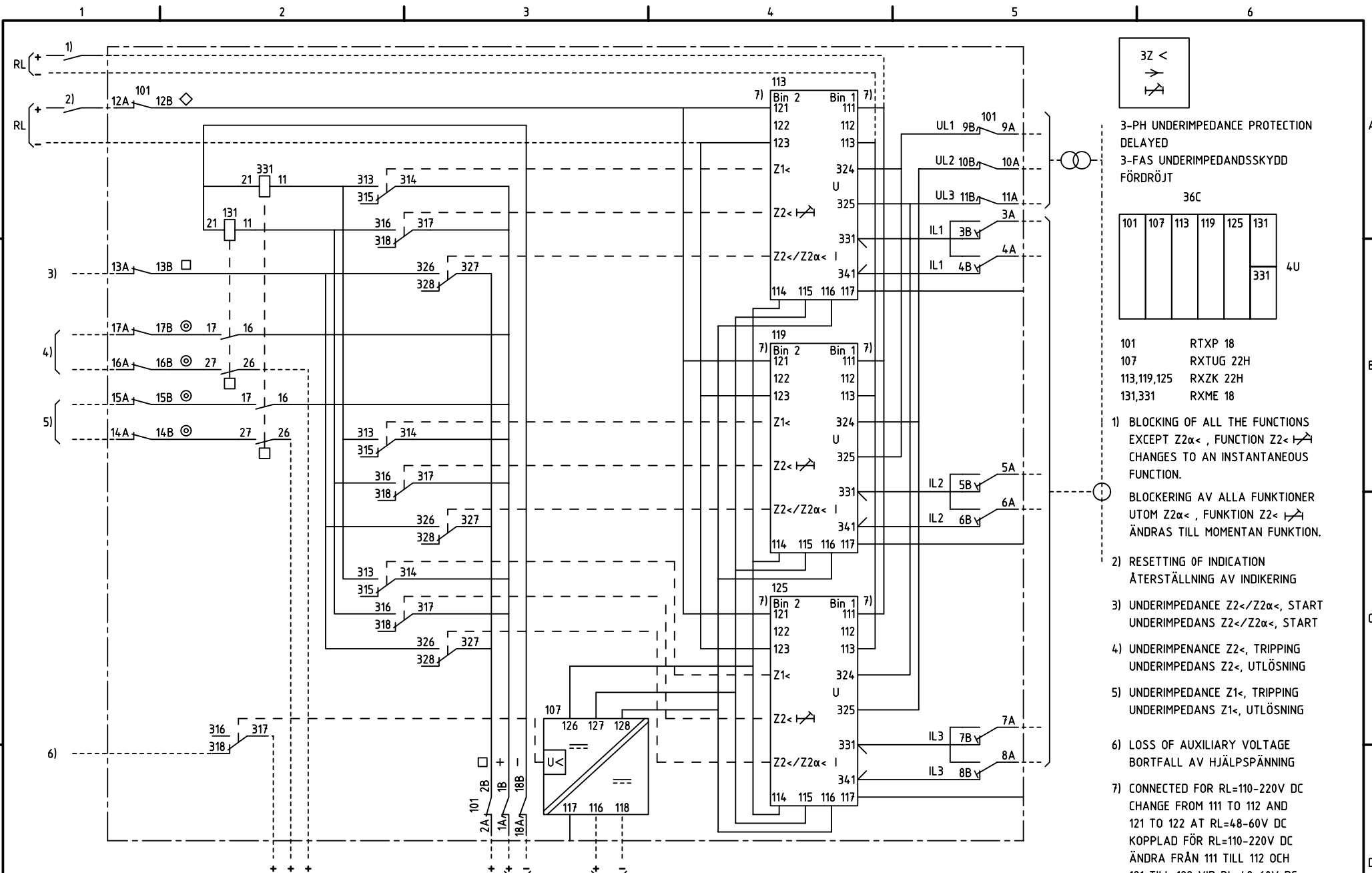



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3Z <

 3-PH UNDERIMPEDANCE PROTECTION DELAYED
 3-FAS UNDERIMPEDANSSKYDD FÖRDRÖJT
 36C

| | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|
| 101 | 107 | 113 | 119 | 125 | 131 | |
| | | | | | | 331 |



4U

- 101 RTXP 18
- 107 RXTUG 22H
- 113,119,125 RXZK 22H
- 131,331 RXME 18

- 1) BLOCKING OF ALL THE FUNCTIONS EXCEPT Z2α<, FUNCTION Z2< CHANGES TO AN INSTANTANEOUS FUNCTION.
 BLOCKERING AV ALLA FUNKTIONER UTOM Z2α<, FUNKTION Z2< ÄNDRAS TILL MOMENTAN FUNKTION.

- 2) RESETTING OF INDICATION ÅTERSTÄLLNING AV INDIKERING
- 3) UNDERIMPEDANCE Z2</Z2α<, START UNDERIMPEDANS Z2</Z2α<, START
- 4) UNDERIMPEDANCE Z2<, TRIPPING UNDERIMPEDANS Z2<, UTLÖSNING
- 5) UNDERIMPEDANCE Z1<, TRIPPING UNDERIMPEDANS Z1<, UTLÖSNING

- 6) LOSS OF AUXILIARY VOLTAGE BORTFALL AV HJÄLPSPÄNNING
- 7) CONNECTED FOR RL=110-220V DC CHANGE FROM 111 TO 112 AND 121 TO 122 AT RL=48-60V DC KOPPLAD FÖR RL=110-220V DC ÄNDRA FRÅN 111 TILL 112 OCH 121 TILL 122 VID RL=48-60V DC

| | | | | |
|-----------------|--|------------|--|--|
| Customer drw no | Prep. PTUA/ TPTD Eriksson Jill | 2003-10-03 | 1MRK 001 064-ZA |  Cont. sh/ No of sh |
| | Appr. PTUA/ SA/TD Jonsson Patrik | 2003-10-03 | Circuit Diagram Underimpedance protection | |
| | Resp. dept PTUA/ TPTD | | Document number | Lang. en Rev. A Sheet 1 |
| Based on |  ABB Automation Technologies | | 1MRK001065-ZA | |

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