Recommended layout for RADSS for 2Z and 11 lines plus bus coupler

Drawing RF 637 299 sh 2, 3 show recommended layout of two VSG-6 cubicles housing a complete RADSS bus differential relay for up to 11 lines and one bus coupler.

The maximum number of auxiliary CT's in plane E is limited by the weight. Maximum number of SLMF 123 is therefore 6 3φ-groups.

The maximum number of auxiliary CT's in plane B is 7 3φ-groups to obtain a proper distance between therminal strips.

The total of 13 3φ-groups is the needed number of aux. CT's for 11 lines and bus coupler.

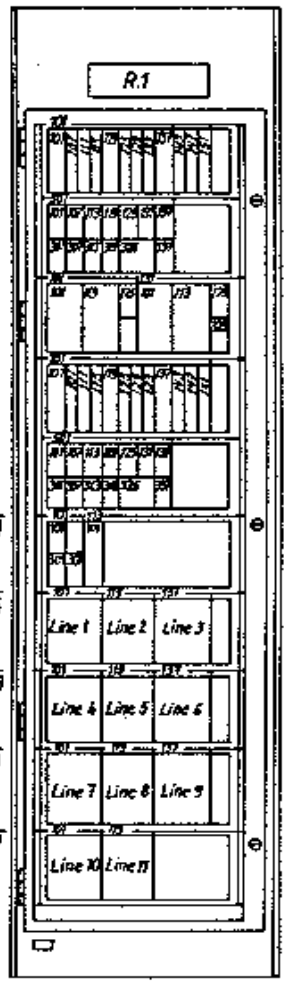
6817 0500-A (9543) Ansvarig: POR
B

Bus diff. protection RADSS
2 zones, 11-lines, 1-bus coupler

ASEA

RF 637 299

L Westerberg | M Andersson | ALG RFOA | 80 05



D1.101, 501
RADSS-A 11 lines, 1 bus coupler
(RK 637 016-AB)

D9.101
Bus interconnection relay group
(5651 131-BA)

D9.131
BC CT disconnection relay group
(5651 131-FA)

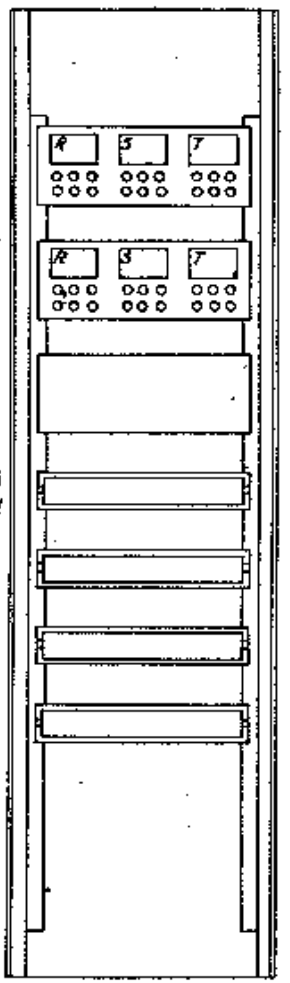
D13.101, 501
RADSS-B 11 lines, 1 Bus coupler
(RK 637 016-AB)

D21.101
Supervisory relay group
5651 131-DA
(only required for line unit alt 2)

D21.113
RXKD 2H
(only required for line unit alt 3)

D25.101....
Line unit
Alt 1: a- and b-contact on isolator
(5651 131-CA)

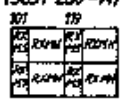
Alt 2: a- and b-contact on isolator, supervision of RXMVB 2. (5651 131-AA)



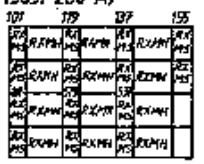
B1
Transformer unit
Belongs to RADSS-A

B7
Transformer unit
Belongs to RADSS-B

B13
Trip relays
Alt 1: 1 contact/line
(5651 260-A)



Alt 2: 3 contacts/line
(5651 260-A)



101, 119, 137
501, 519, 537 } Line 1 - line 11, Bus coupler

155 2 RXMS1 relays for bus coupler

RK 637-303 E

2

Sammanställningsritning Assembly drawing

Bus differential relay RADSS
2 zones, 11 lines, 1 bus coupler

RF 637 299

3

ASEA

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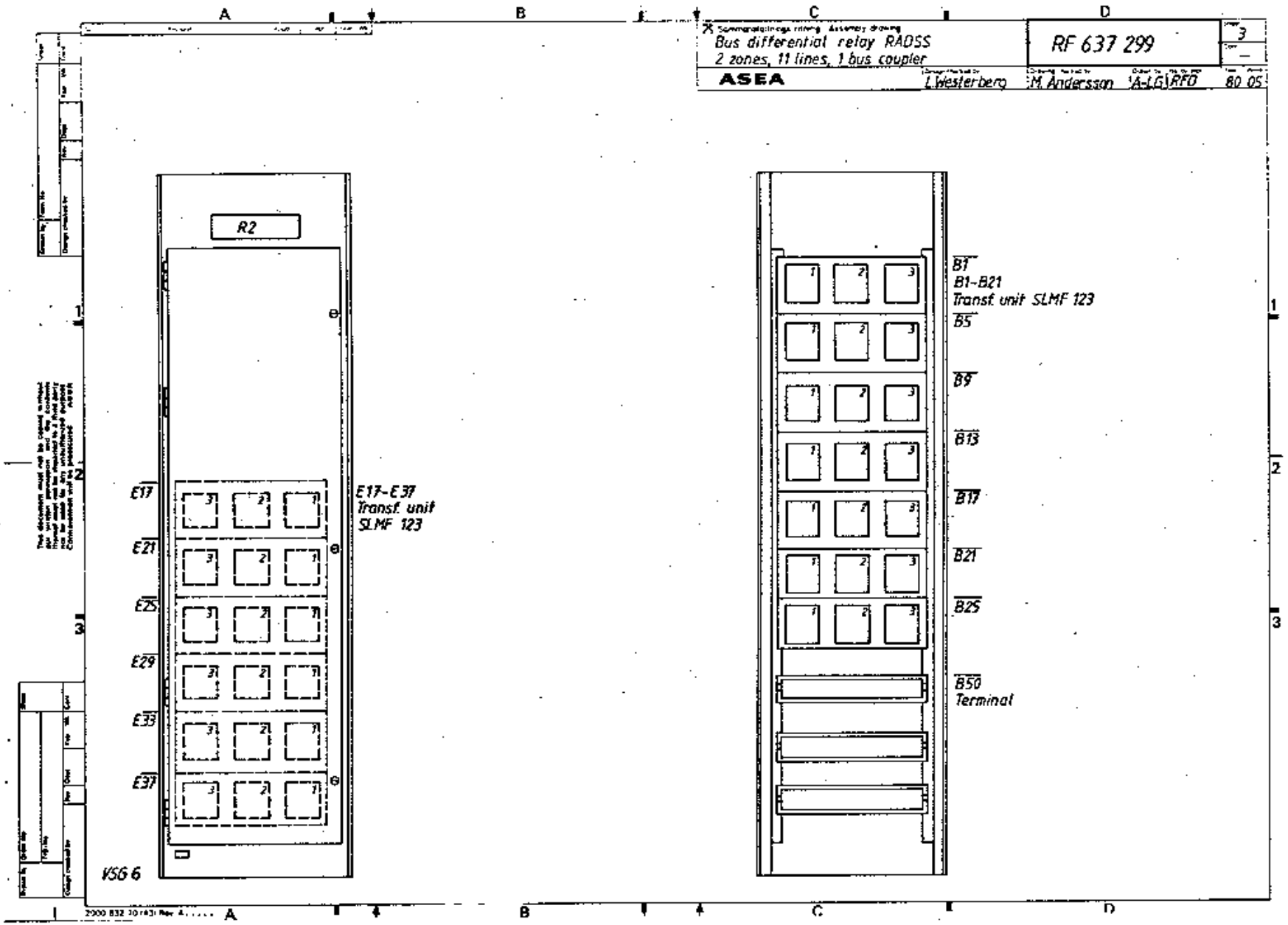

RK 637-303 E

3