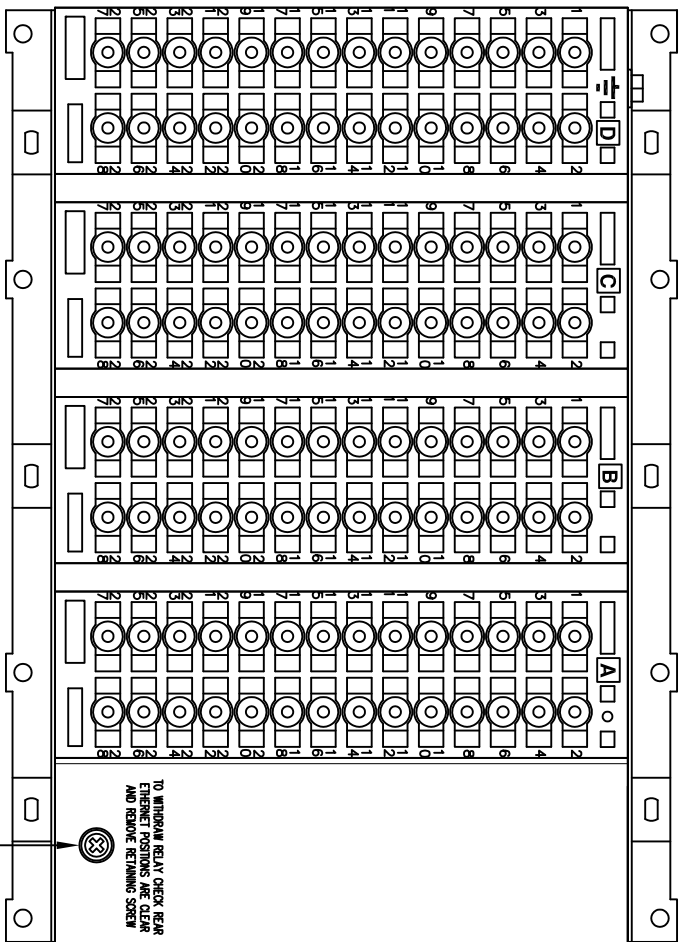
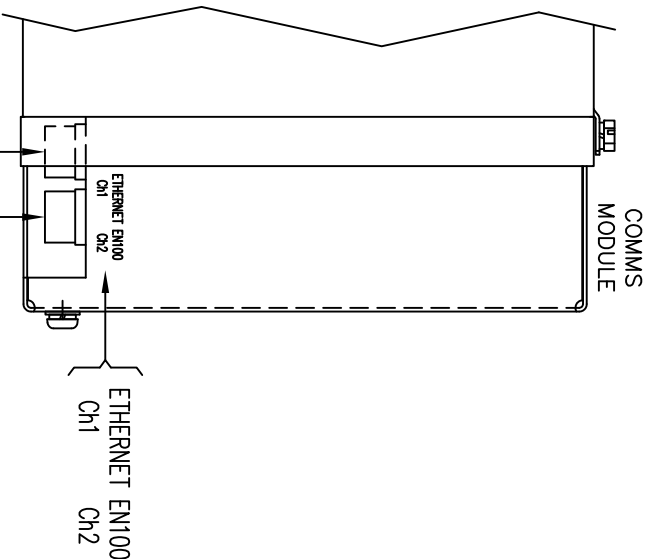


1 IF IN DOUBT ASK
DO NOT SCALE



RELAY VIEWED FROM REAR

TO WITHDRAW RELAY CHECK REAR
ETHERNET POSITIONS ARE CLEAR
AND REMOVE RETAINING SCREW



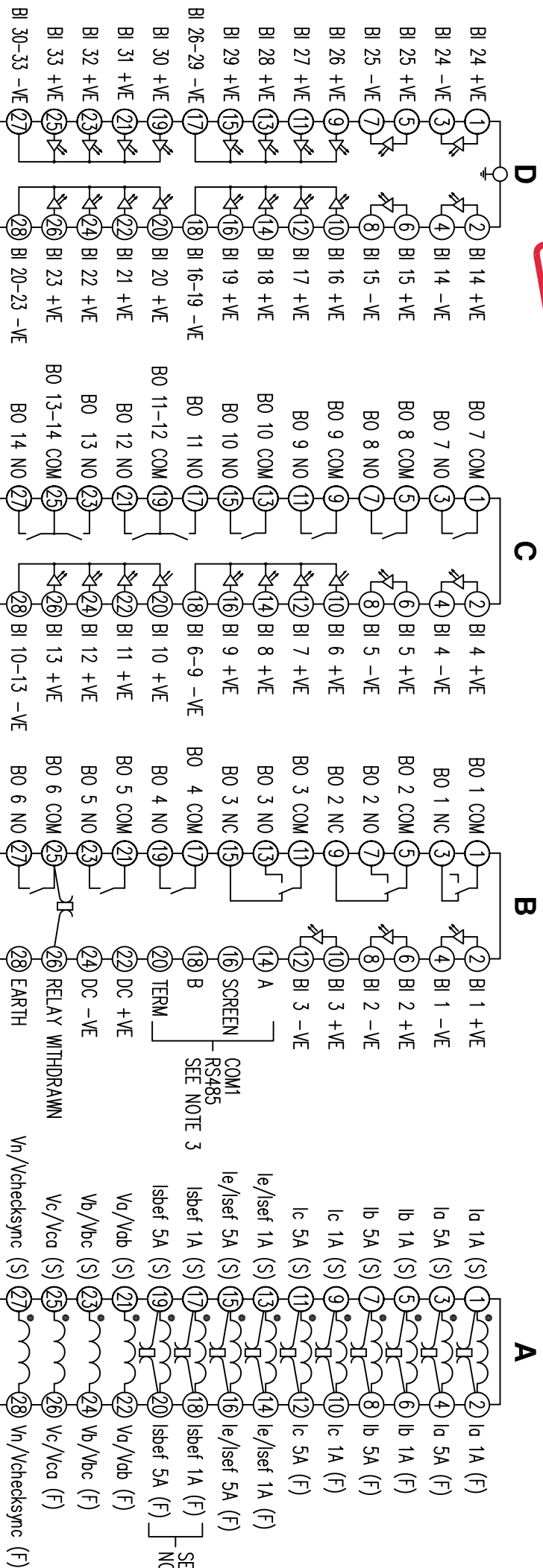
PART SIDE VIEW ON ARROW 'A'

- NOTES
- 1) TERMINALS RECOMMENDED ARE PRE-INSULATED & MUST BE CRIMPED USING APPROVED TOOLING. AMP P1DG OR PLASTI GRIP FUNNEL ENTRY (RING TONGUE) FOR M4 FIXING STUD.
 - 2) FOR OUTLINE & PANEL DRILLING, SEE 2995X10021 (A4).
 - 3) CONNECTIONS TO THIS COMMUNICATIONS FACILITY IS BY SCREENED, TWISTED PAIR CABLE, ON SITE. WHEN WIRING OTHER FACILITIES ENSURE THAT THESE TERMINALS ARE NOT OBSCURED BY OTHER WIRE RUNS.
 - 4) CONTACTS SHOWN THUS ARE INTERNAL RELAY CASE ASSEMBLY AND CLOSE WHEN THE RELAY CHASSIS IS WITHDRAWN FROM THE CASE.
 - 5) THESE CTS ALTHOUGH FITTED ARE NOT ACTIVE IN 7SR224 MODELS.
 - 6) THE ETHERNET PORTS CAN BE EITHER - 2XFIBRE OPTIC, DUPLEX CONNECTORS OR 2xELECTRICAL, RJ45 CONNECTORS.

ABBREVIATIONS

I-CURRENT INPUTS
V-VOLTAGE INPUTS
BI-BINARY INPUTS
BO-BINARY OUTPUTS
CO-CHANGE OVER BINARY OUTPUT CONTACTS
NO-NORMALLY OPEN BINARY OUTPUT CONTACTS
NC-NORMALLY CLOSED BINARY OUTPUT CONTACTS

SERIAL PORT IDENTIFICATION	
COM1	RS485 (ON BLOCK 'B' TERMINALS 14,16,18 & 20)
COM2	USB TYPE 'B' PORT (ON RELAY FRONT LABEL)
ETHERNET PORT IDENTIFICATION	
Ch1	ETHERNET PORT (ON REAR COMMS MODULE)
Ch2	ETHERNET PORT (ON REAR COMMS MODULE)



MATERIAL:

Dimensions in millimetres : Surface texture in micrometres.

Machine where marked ∇

For explanation of dimensions, tolerances, notes etc. see B.S.308.

Limit on untoleranced unmachined dimensions \pm

Limits on untoleranced machined dimensions to B.S.4500:

i.e. up to 6 \pm 0.1; over 30 to 120 \pm 0.3; over 315 \pm 0.8;
over 6 to 30 \pm 0.2; over 120 to 315 \pm 0.5;
General unmachined angular tolerance \pm

Finish:

Title:

7SR224, E10, TERMINAL ID & WIRING DIAGRAM
5I,4V,33BI,2C0,11NO,1NC, RS485 & ETHERNET(x2) COMMS

Treatment:

SIEMENS PROTECTION DEVICES LTD.

Original Scale.

NTS

Drg. No.

2435W40044

First used on:

Similar Articles:

Supersedes:

ISSUE	DATE	NOTED
1	19/05/09	CHANGE
2	22/07/11	3.0629
3	RDW 30/7/13	RETAINING SCREW POSITION CHANGED. MNA435/3650, 3J1770, KB
2	RDW 22/07/11	61850 COMMS ADDED MNS3444 KB 3J1139



DRAWN MM/AL

CHECKED RD.WATSON

APPROVED RD.WATSON

DATE 29/06/09

IE

OPS

PCP

Purch. Spec. TQ

EAC

CE

STD

A3