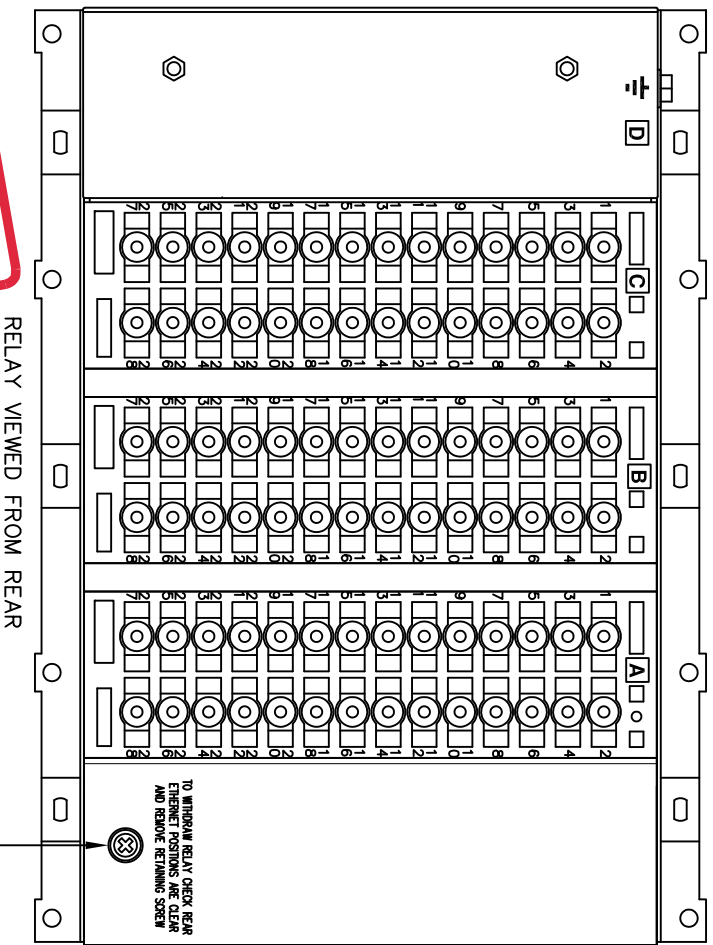
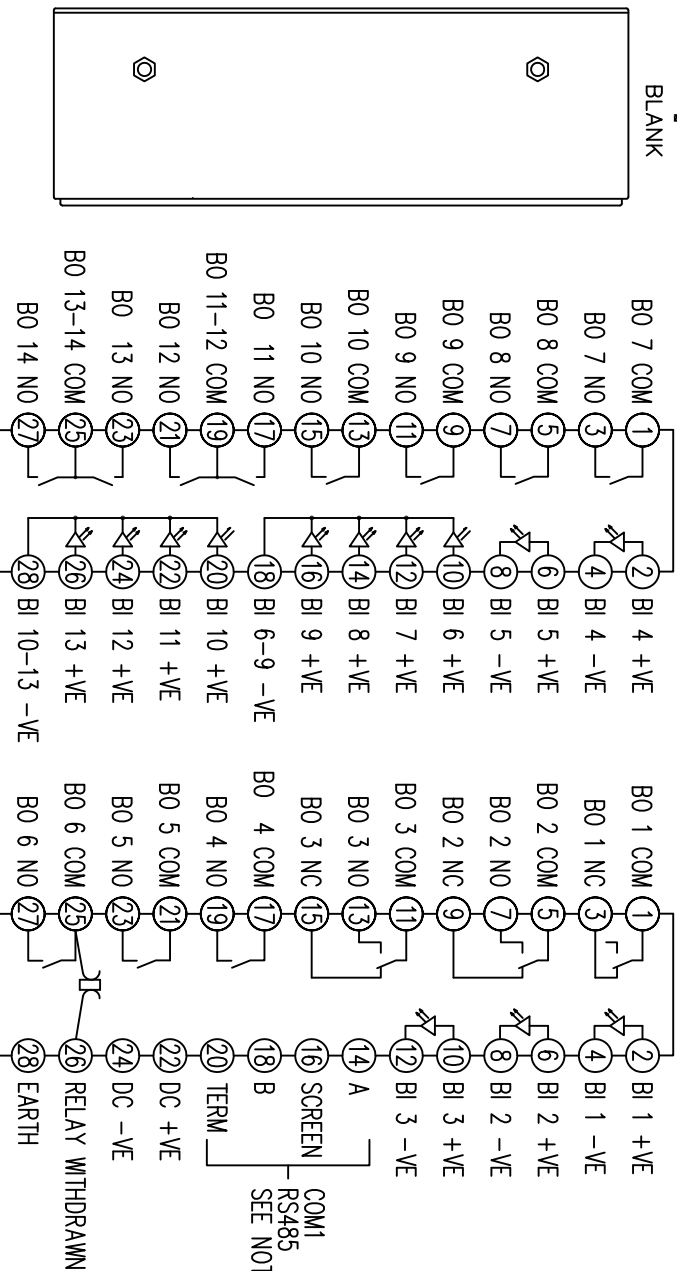


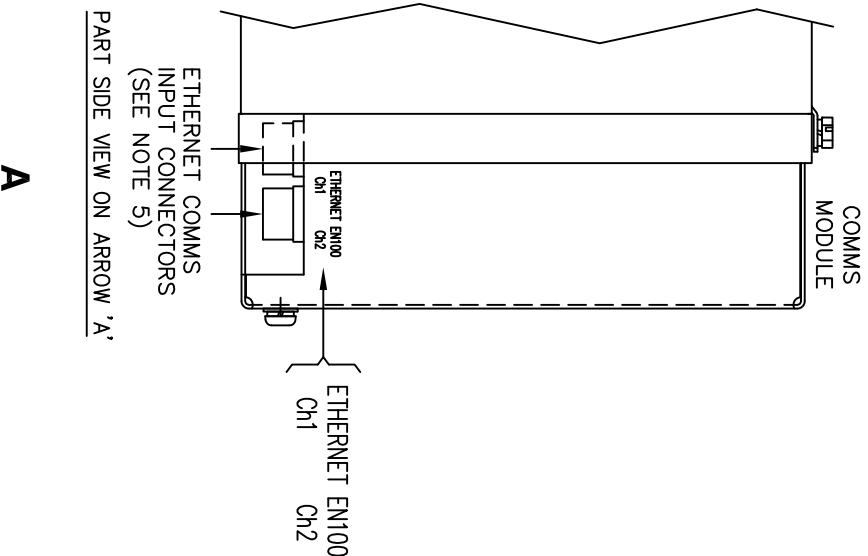
1 IF IN DOUBT ASK
DO NOT SCALE



NOT SUBJECT TO UPDATE
ONCE COPIED / PRINTED
OR DOWNLOADED



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



- NOTES**
- 1) TERMINALS RECOMMENDED ARE PRE-INSULATED & MUST BE CRIMPED USING APPROVED TOOLING. AMP PIDG 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 - 4) CONTACTS SHOWN THUS ARE INTERNAL RELAY CASE CONTACTS AND CLOSE WHEN THE RELAY CHASSIS IS WITHDRAWN FROM THE CASE.
 - 5) 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)

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3 RDW	30/7/13	19.07.13	RETAINING SCREW POSITION CHANGED.
2 RDW	22/07/11	11/07/11	61850 COMMS ADDED MNS3444 KB 3.11.139
1	19/05/09		CHANGE NOTED

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
4I,6V,13BI,2CO,11NO,1NC, RS485 & ETHERNET(x2) COMMS

Treatment:

SIEMENS PROTECTION DEVICES LTD.

Original Scale.

NTS

Dwg. No.

2435W40053

DRAWN	MM/AL	CHECKED	RD.WATSON	APPROVED	RD.WATSON	DATE	29/06/09	IE	OPS	PCP	Purch. Spec.	TQ	EAC	CE	STD	A3
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