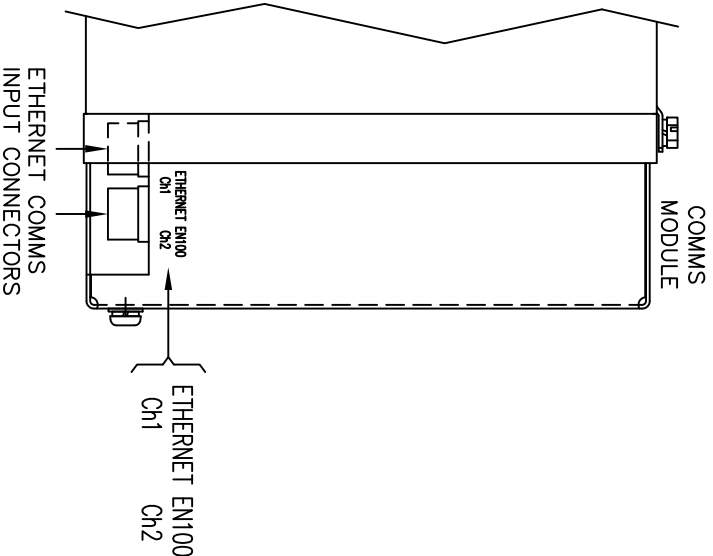
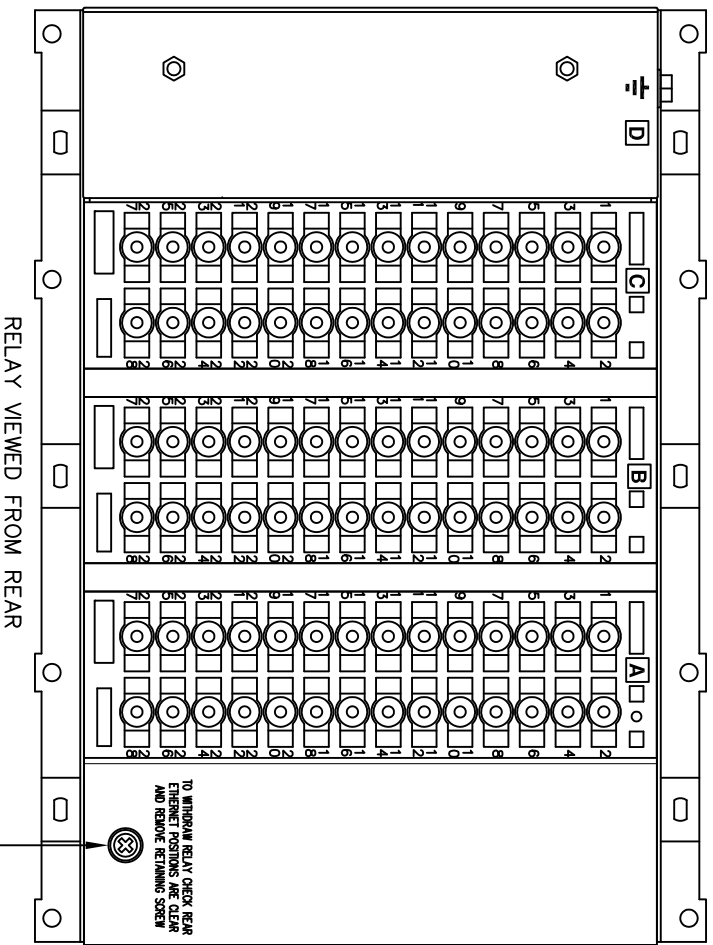
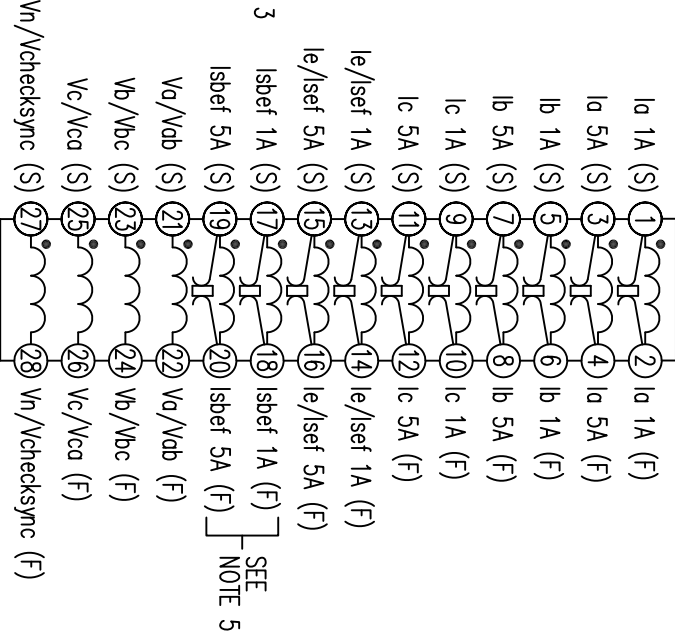
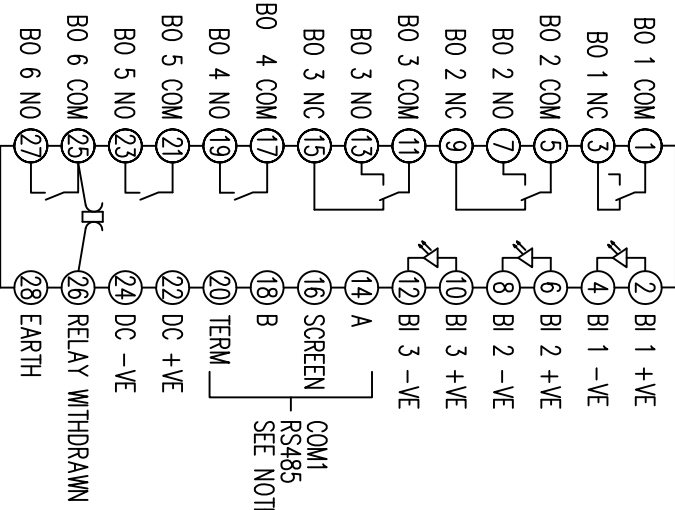
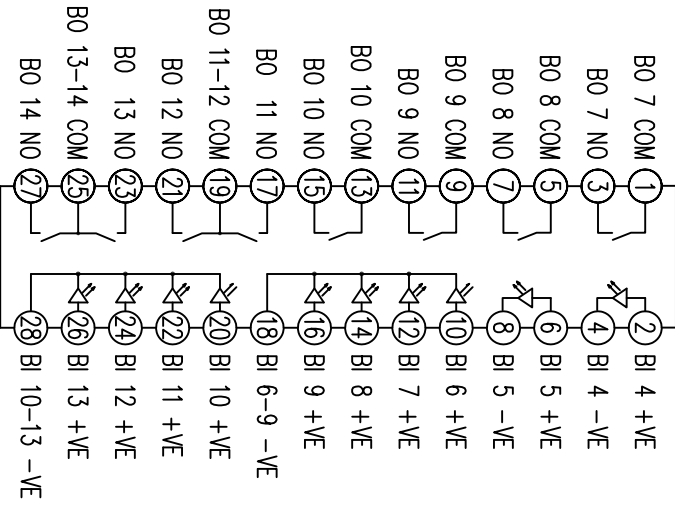
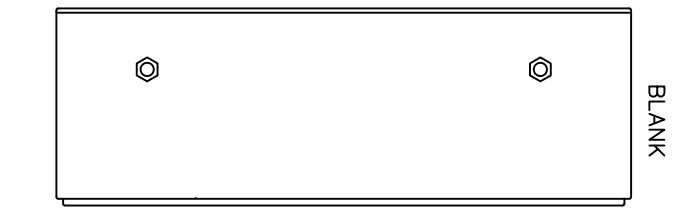


IF IN DOUBT ASK
DO NOT SCALE



NOT SUBJECT TO UPDATE
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3 RDW	30/7/13	19.07.13	CHANGED. MNA435/3650, 341770, KB
2 RDW	22/07/11	19.07.13	61850 COMMS ADDED MNS3444 KB 341139
1	19/05/09	19.05.09	340629 CHANGE



MATERIAL: Surface texture in micrometres.

Dimensions in millimetres : Surface texture in micrometres.
Machine where marked V

For explanation of dimensions, tolerances, notes etc. see B.S.308.
Limit on untoleranced unmachined dimensions ±

Limits on untoleranced machined dimensions to B.S.4500:
i.e. up to 6±0.1; over 30 to 120±0.3; over 315±0.8;
over 6 to 30±0.2; over 120 to 315±0.5;
General unmachined angular tolerance ±

Finish:

Treatment:

Title:

7SR224, E10, TERMINAL ID & WIRING DIAGRAM
5I,4V,13BI,2C0,11NO,1NC, RS485 & ETHERNET(x2) COMMS

Original Scale.

SIEMENS PROTECTION DEVICES LTD.

NTS

Dwg. No.

2435W40035

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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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)

- 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) 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.

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