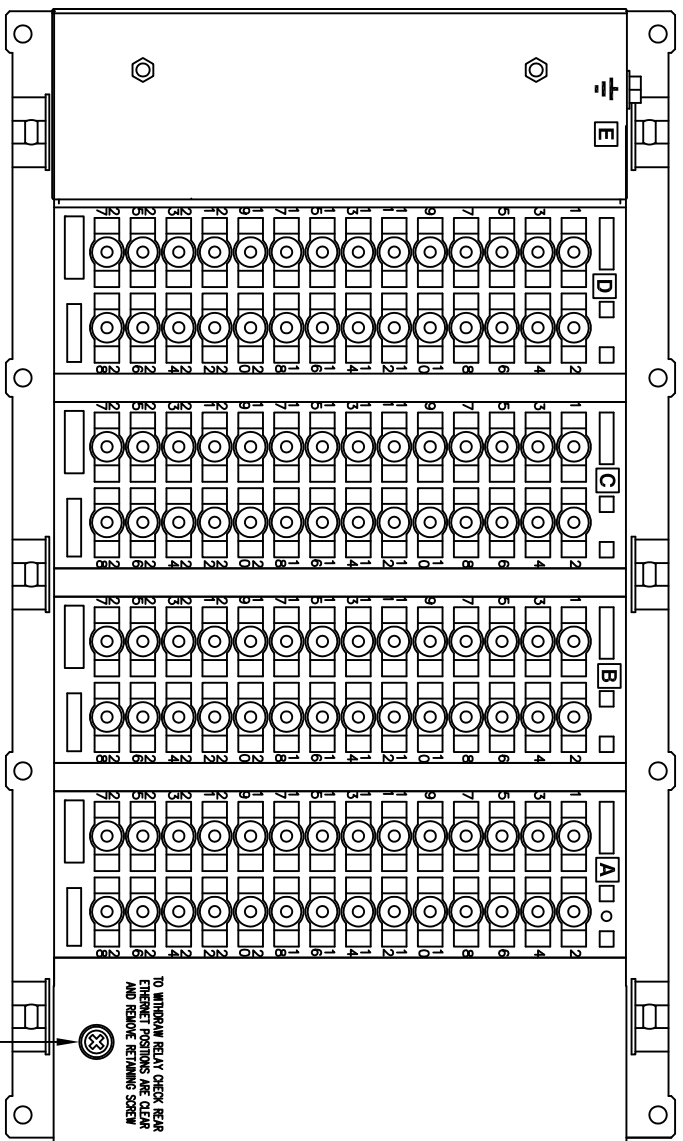
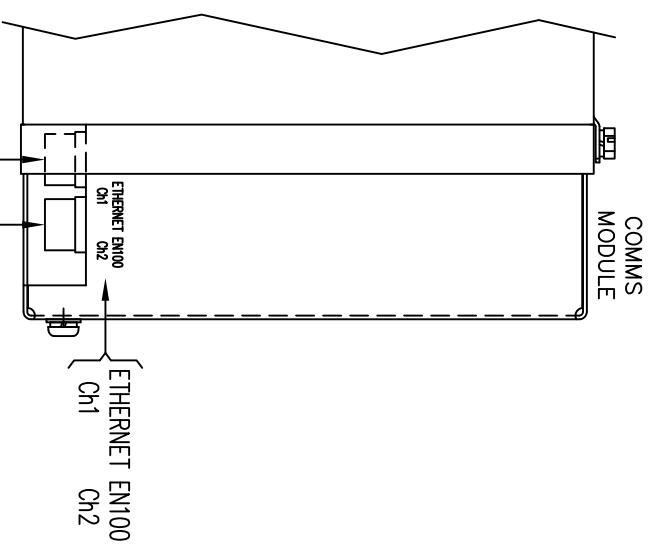


1 IF IN DOUBT ASK
DO NOT SCALE



RELAY VIEWED FROM REAR

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



PART SIDE VIEW ON ARROW 'A'

ETHERNET COMMS INPUT CONNECTORS (SEE NOTE 6)

- 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 - 4) CONTACTS SHOWN THUS ARE INTERNAL RELAY CASE ASSEMBLY AND CLOSE WHEN THE RELAY CHASSIS IS WITHDRAWN FROM THE CASE.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

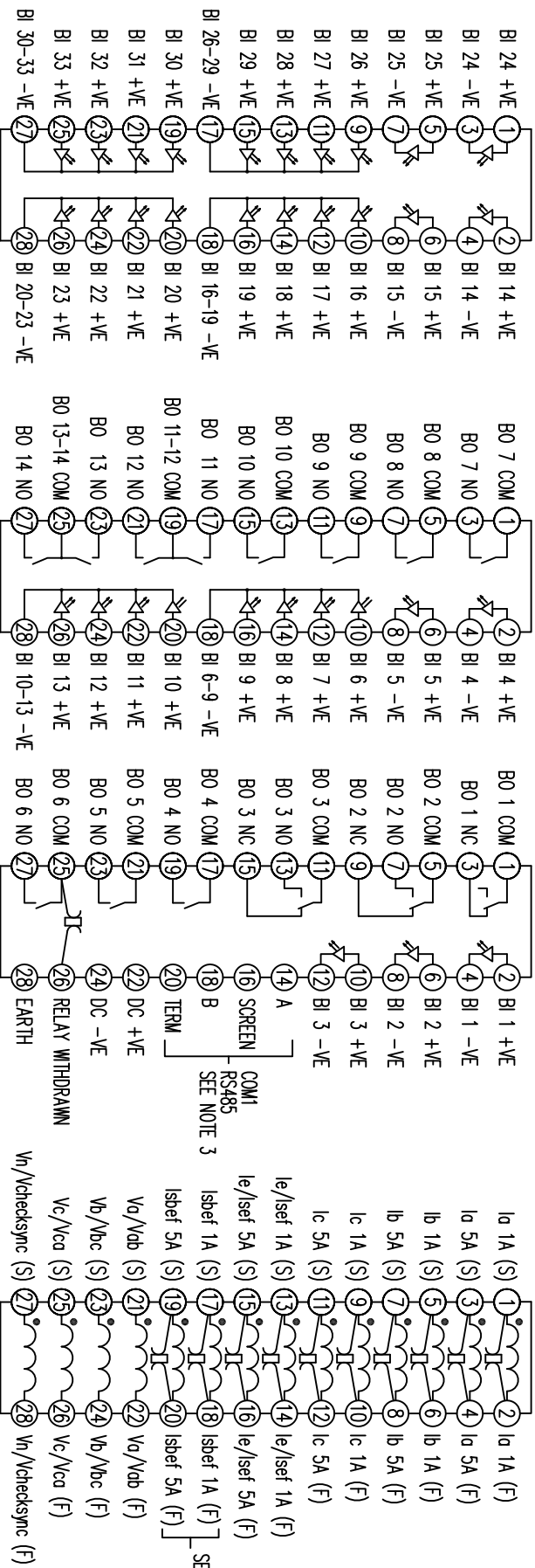
SERIAL PORT IDENTIFICATION

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)

COMMS BLANKING PLATE



Copyright © 2009 Siemens Protection Devices Ltd. Hebburn

1	19/05/09	CHANGE NOTED
2	25/07/11	MN3444 KB 3.1139
3	30/7/13	RETAINING SCREW POSITION CHANGED. MN435/3650, 3H770, KB
2	25/07/11	61850 COMMS ADDED MN3444 KB 3.1139
1	19/05/09	3.10629

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: Treatment:

Title: 7SR224, E12, TERMINAL ID & WIRING DIAGRAM

5I,4V,33BI, 2C0, 11NO, 1NC, RS485 & ETHERNET(X2) COMMS

SIEMENS PROTECTION DEVICES LTD.

Original Scale.

NTS

Dwg. No.

2435W40056

DRAWN A.LAW

CHECKED RD.WATSON

APPROVED RD.WATSON

DATE 29/06/09

IE

OPS

PCP

Purch.Spec. TQ

EAC

CE

STD

A3