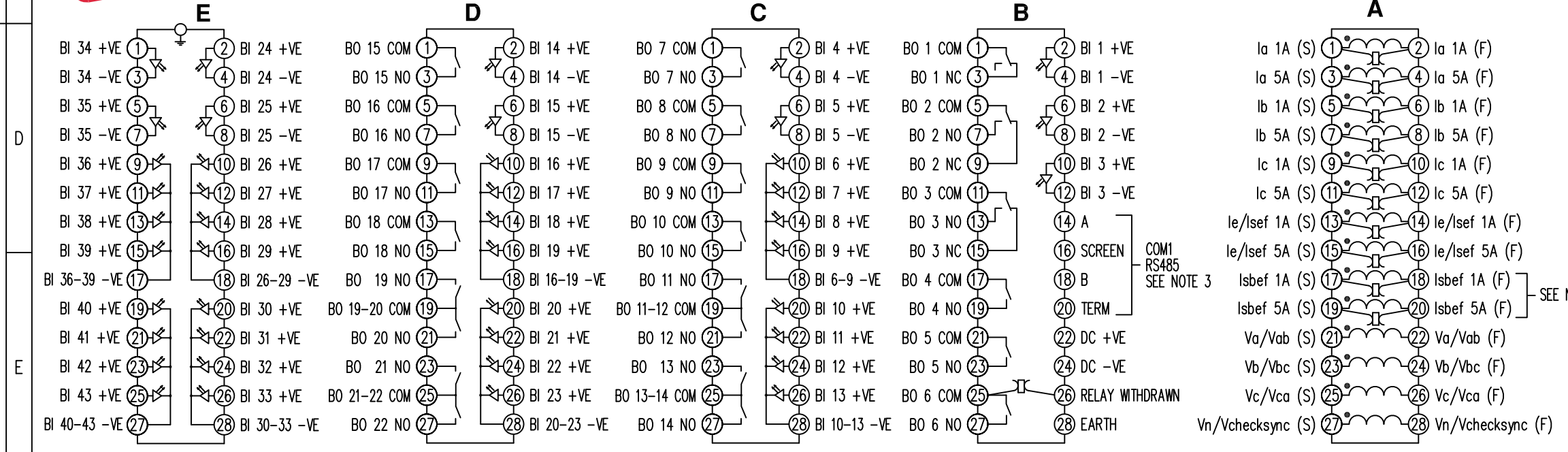


- NOTES**
- 1) TERMINALS RECOMMENDED ARE PRE-INSULATED & MUST BE CRIMPED USING APPROVED TOOLING. AMP PIDG OR PLASTI GRIP FUNNEL ENTRY (RING TONGUE) FOR M4 FIXING STUD.
 - 2) FOR OUTLINE & PANEL DRILLING, SEE 2995X10021 (A4).
 - 3) CONNECTIONS TO THIS COMMUNICATIONS FACILITY IS BY SCREENED, TWISTED PAIR 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 - 4) CONTACTS SHOWN THUS ARE INTERNAL RELAY CASE ASSEMBLY AND CLOSE WHEN THE RELAY CHASSIS IS WITHDRAWN FROM THE CASE.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)



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 ± _____
 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, E12, TERMINAL ID & WIRING DIAGRAM
 5I,4V, 43BI, 2CO,19NO,1NC, RS485 & ETHERNET(x2) COMMS

SIEMENS PROTECTION DEVICES LTD.

Original Scale:
 NTS

First used on: _____
 Similar Articles: _____
 Supersedes: _____
 Drg. No.
 2435W40041

2 RDW	26/07/11	61850 COMMS ADDED MN3444 KB 3J1139
1	19/05/09	3J0629
ISSUE	DATE	CHANGE NOTED