IF IN DOUBT ASK
DO NOT SCALE

UNUSED	57	58	UNUSED
UNUSED	59	60	UNUSED
UNUSED	61	62	UNUSED
UNUSED	63	64	UNUSED
UNUSED	65	66	UNUSED
UNUSED	67	68	UNUSED
UNUSED	69	70	UNUSED
UNUSED	71	72	UNUSED
UNUSED	73	74	UNUSED
UNUSED	75	76	UNUSED
CT EARTH POLE (S) (POLARISING)	77	78	CT EARTH POLE (POLARISING)
VT EARTH POLE (S)	79	80	VT EARTH POLE
VT (A) PHASE	81	82	VT (B) PHASE
VT (C) PHASE	83	84	UNUSED

SEE NOTE 5

STATUS 5 +VE	29	30	STATUS 5 −VE
STATUS 4 +VE	31	32	STATUS 4 −VE
STATUS 3 +VE	33	34	STATUS 3 −VE
STATUS 2 +VE	35	36	STATUS 2 −VE
RELAY 8 (N/O)	37	38	RELAY 8 (N/O)
RELAY 9 (N/O)	39	40	RELAY 9 (N/O)
RELAY 10 (N/O)	41	42	RELAY 10 (N/O)
RELAY 11 (N/O)	43	44	RELAY 11 (N/O)
TR3 1AMP TAP (S)	45	46	TR3 1AMP TAP (F)
TR3 5AMP TAP (S)	47	48	TR3 5AMP TAP (F)
TR2 1AMP TAP (S)	49	50	TR2 1AMP TAP (F)
TR2 5AMP TAP (S)	51	52	TR2 5AMP TAP (F)
TR1 1AMP TAP (S)	53	54	TR1 1AMP TAP (F)
TR1 5AMP TAP (S)	55	56	TR1 5AMP TAP (F)

CONNECTIONS SHOWN FOR (OPTION B) 110/P+5I/P
SEE TABLE BELOW FOR (OPTION C) 70/P+9I/P

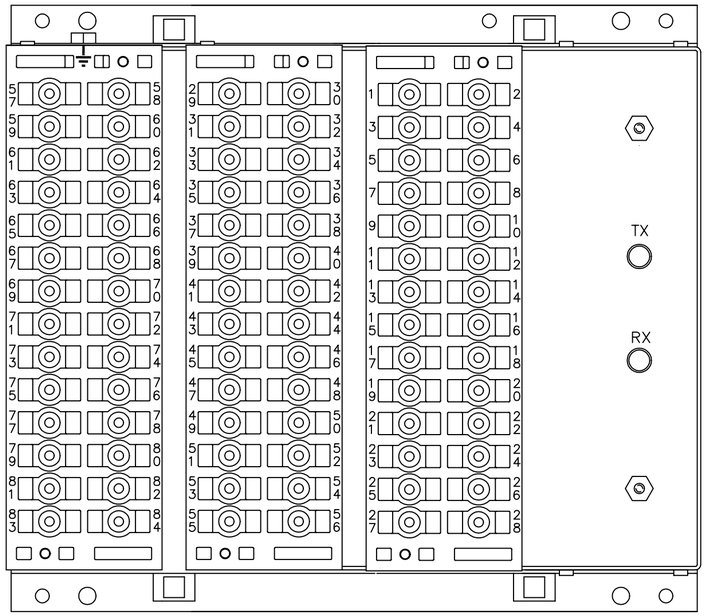
C PHASE

B PHASE OR EARTH

A PHASE

UNUSED	1	2	UNUSED
STATUS +VE	3	4	STATUS 1 −VE
RELAY 1 N/C	5	6	RELAY 1 COM
RELAY 1 N/O	7	8	RELAY 2 N/O
RELAY 2 COM	9	10	RELAY 2 N/C
RELAY 4 N/O	11	12	RELAY 4 N/O
DC INPUT +VE	13	14	DC INPUT −VE
EARTH	15	16	RELAY 3 N/O
RELAY 3 COM	17	18	RELAY 3 N/C
RELAY 5 N/O	19	20	RELAY 5 N/O
RELAY 6 N/O	21	22	RELAY 6 N/O
RELAY 7 N/O	23	24	RELAY 7 N/O
CT 1A TAP (S)	25	26	CT 1A TAP (F)
CT 5A TAP (S)	27	28	CT 5A TAP (F)

EARTH POLE OR SEF/REF



BOX VIEWED FROM REAR

OUTER TERMINAL BLOCK ASSY:−
VIEW BLOCK FROM THE INSIDE FACE

ASSEMBLY INSTRUCTIONS:−
TYPICAL ASSEMBLY DRAWING 2995G10029
AT INDICATED POSITIONS FIT AS FOLLOWS,
S − FIT STANDARD CONTACT
2995B10051
HC − FIT 'HEAVY CURRENT' KIT
2995G10030
WHERE -o o- IS SHOWN FIT
CT SHORTING KIT 2995G10031
POSITIONS SHOWN BLANK ARE UNUSED
ALL POSITIONS FIT SCREW 2106F12506

58			57
60			59
62			61
64			63
66			65
68			67
70			69
72			71
74			73
76			75
78	-o o-		77
80	S	S	79
82	S	S	81
84	S	S	83

OUTER TERMINAL BLOCK ASSY:−
VIEW BLOCK FROM THE INSIDE FACE

ASSEMBLY INSTRUCTIONS:−
TYPICAL ASSEMBLY DRAWING 2995G10029
AT INDICATED POSITIONS FIT AS FOLLOWS,
S − FIT STANDARD CONTACT
2995B10051
HC − FIT 'HEAVY CURRENT' KIT
2995G10030
WHERE -o o- IS SHOWN FIT
CT SHORTING KIT 2995G10031
POSITIONS SHOWN BLANK ARE UNUSED
ALL POSITIONS FIT SCREW 2106F12506

30	S	S	29
32	S	S	31
34	S	S	33
36	S	S	35
38	S	S	37
40	S	S	39
42	S	S	41
44	S	S	43
46	-o o-		45
48	-o o-		47
50	-o o-		49
52	-o o-		51
54	-o o-		53
56	-o o-		55

OUTER TERMINAL BLOCK ASSY:−
VIEW BLOCK FROM THE INSIDE FACE

ASSEMBLY INSTRUCTIONS:−
TYPICAL ASSEMBLY DRAWING 2995G10029
AT INDICATED POSITIONS FIT AS FOLLOWS,
S − FIT STANDARD CONTACT
2995B10051
HC − FIT 'HEAVY CURRENT' KIT
2995G10030
WHERE -o o- IS SHOWN FIT
CT SHORTING KIT 2995G10031
POSITIONS SHOWN BLANK ARE UNUSED
ALL POSITIONS FIT SCREW 2106F12506

2	S	S	1
4	S	S	3
6	-o o-		5
8	S	S	7
10	-o o-		9
12	S	S	11
14	S	S	13
16	S	S	15
18	-o o-		17
20	S	S	19
22	S	S	21
24	S	S	23
26	-o o-		25
28	-o o-		27

CHASSIS TERMINAL BLOCK ASSY:−(CHASS T/B 3)
VIEW FROM NUMBERED SIDE OF BLOCK

ASSEMBLY INSTRUCTIONS:−
TYPICAL ASSEMBLY DRAWING 2995G10032
AT INDICATED POSITIONS FIT AS FOLLOWS,
T − FIT TRIP ISOLATION CONTACT
2995B10053
S − FIT STANDARD CONTACT
2995B10054
POSITIONS SHOWN BLANK ARE UNUSED

2			1
4			3
6			5
8			7
10			9
12			11
14			13
16			15
18			17
20			19
22	S	S	21
24	S	S	23
26	S	S	25
28	S	S	27

CHASSIS TERMINAL BLOCK ASSY:−(CHASS T/B 2)
VIEW FROM NUMBERED SIDE OF BLOCK

ASSEMBLY INSTRUCTIONS:−
TYPICAL ASSEMBLY DRAWING 2995G10032
AT INDICATED POSITIONS FIT AS FOLLOWS,
T − FIT TRIP ISOLATION CONTACT
2995B10053
S − FIT STANDARD CONTACT
2995B10054
POSITIONS SHOWN BLANK ARE UNUSED

2	T	T	1
4	T	T	3
6	T	T	5
8	T	T	7
10	T	T	9
12	T	T	11
14	T	T	13
16	T	T	15
18	S	S	17
20	S	S	19
22	S	S	21
24	S	S	23
26	S	S	25
28	S	S	27

CHASSIS TERMINAL BLOCK ASSY:−(CHASS T/B 1)
VIEW FROM NUMBERED SIDE OF BLOCK

ASSEMBLY INSTRUCTIONS:−
TYPICAL ASSEMBLY DRAWING 2995G10032
AT INDICATED POSITIONS FIT AS FOLLOWS,
T − FIT TRIP ISOLATION CONTACT
2995B10053
S − FIT STANDARD CONTACT
2995B10054
POSITIONS SHOWN BLANK ARE UNUSED

2	S	S	1
4	T	T	3
6	S	S	5
8	T	T	7
10	S	S	9
12	T	T	11
14	S	S	13
16	T	S	15
18	S	S	17
20	T	T	19
22	T	T	21
24	T	T	23
26	S	S	25
28	S	S	27

NOTES:
1) FOR TYPICAL CHASSIS ASSEMBLY SEE 2434H50006
FOR E8 CASE ASSY −ST COMMS. − SEE 2434H50009 (STANDARD RELAY)
FOR E8 CASE ASSY −SMA COMMS. − SEE 2434H50003 (NOW NON−STANDARD)
2) TERMINALS RECOMMENDED ARE PRE INSULATED & MUST BE CRIMPED USING APPROVED TOOLING.
AMP PIDG OR PLASTI GRIP FUNNEL ENTRY (RING TONGUE) FOR M4 FIXING STUD.

SUPPLIER	AMP	CABLE SIZE
AMP	342103	0.25−1.6 SQ MM
AMP	342143	1.0−2.6 SQ MM.

OR ANY OTHER MANUFACTURERS EQUIVALENT TERMINAL.

3) FOR OUTLINE & DRILLING DRG SEE 2995X10008 (A4).
4) CT OR VT POLARISATION IS AVAILABLE
(FOR CLARITY DRG SHOWS BOTH VT & CT TERMINATIONS)
5) CHASSIS TERMINAL BLOCK IDENTIFICATION REFERENCES
(CHASS T/B 1,T/B 2 & T/B 3)
ARE FOR PRODUCTION IDENTIFICATION PURPOSES ONLY.

NOT SUBJECT TO UPDATE
ONCE COPIED / PRINTED
OR DOWNLOADED

PROTECTION TYPE	SCHEMATIC DIAGRAM VERSION B	SCHEMATIC DIAGRAM VERSION C
3 PHASE (DIR)	2434W10063 (A3)	2434W10064 (A3)
2 PHASE (DIR)+SEF	2434W10065 (A3)	2434W10066 (A3)
2 PHASE(DIR)+EARTH(DIR)	2434W10067 (A3)	2434W10068 (A3)
2 PHASE(DIR)+EARTH		
3 PHASE(DIR)+EARTH(DIR)	2434W10071 (A3)	2434W10072 (A3)
3 PHASE(DIR)+EARTH		
3 PHASE(DIR)+SEF	2434W10073 (A3)	2434W10074 (A3)
2 PHASE(DIR)+EF(DIR)+SEF	2434W10077 (A3)	2434W10078 (A3)

ISSUE	DATE	CHANGE NOTED
4 RDW	09/06/03	MN434/2535
3	22/3/00	MN434/158
2	22/11/99	MN434/150
1	20/7/99	

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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:
TERMINAL IDENTIFICATION & RELAY WIRING DIAGRAM
4 POLE DIRECTIONAL DCD RELAY (E8 CASE)

Reyrolle Protection
Hebburn.

Original Scale. 1:1

First used on:
Similar Articles:
Supersedes:
Drg. No. 2434W50003

DRAWN	CHECKED	APPROVED	DATE	IE	OPS	PCP	Purch.Spec.	TQ	EAC	CE	STD	A2
M LEASK		R.D.WATSON	15/07/02									

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