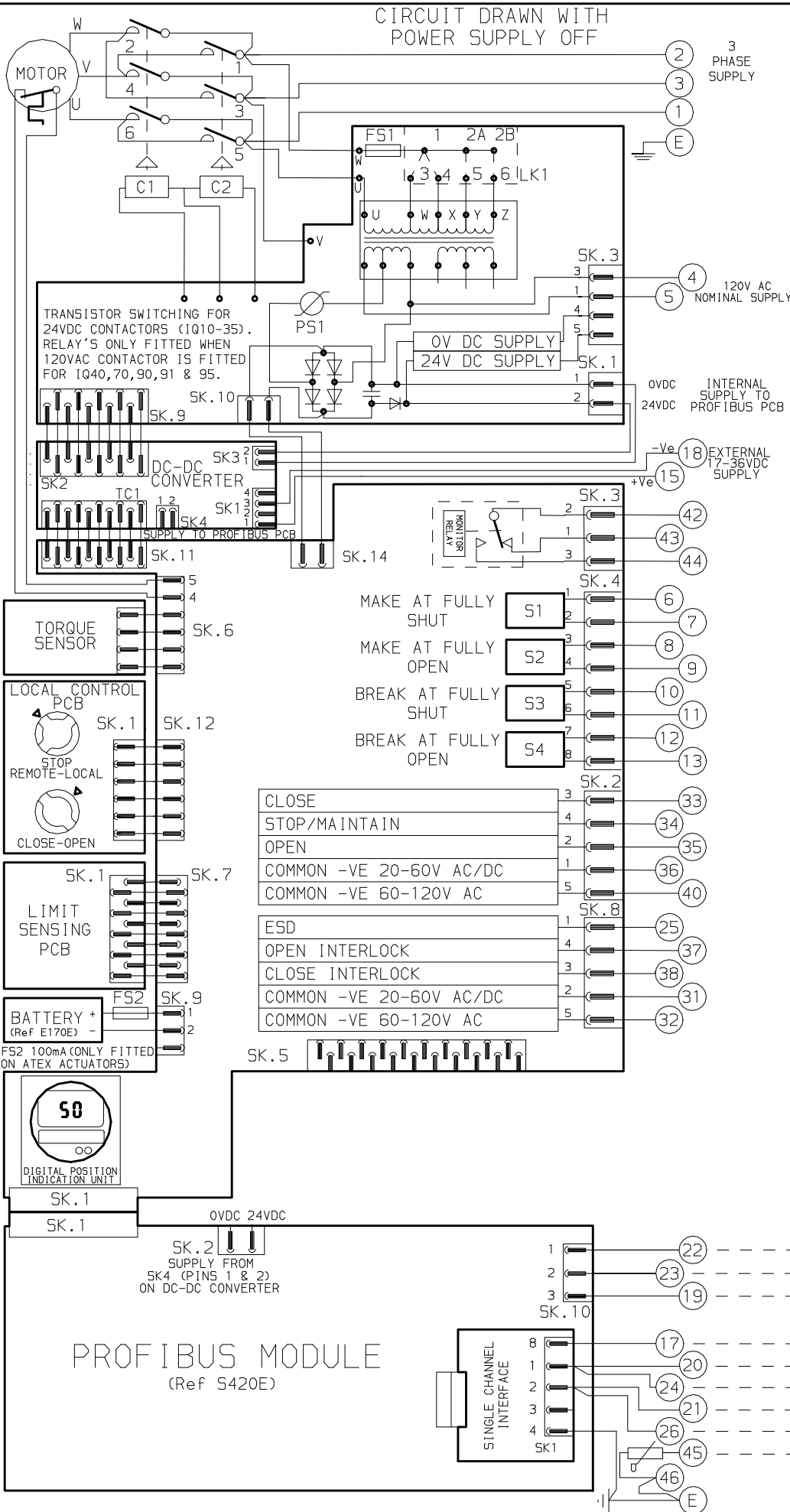


CIRCUIT DRAWN WITH
POWER SUPPLY OFF



FOR TYPICAL REMOTE CONTROL
DETAILS SEE DOCUMENT
No RWS

TRANSFORMER TAPPING OPTIONS

TYPE 1

TAP	NOM 50/60HZ	50HZ	60HZ
W	220/230	176-242	198-259
X	380/400	304-418	342-446
Y	415/420	332-457	374-487
Z	440/460	352-484	396-517

TYPE 2

TAP	NOM 50/60HZ	50HZ	60HZ
W	346/380	285-388	321-419
X	480/500	406-552	432-564
Y	240/240	192-261	216-282
Z	550/575	445-605	501-654

TYPE 3

TAP	NOM 50/60HZ	50HZ	60HZ
X	660/660-690	534-726	600-726
Y	690/---	558-759	

FUSE FS1 - 250mA ANTI-SURGE
120V AC NOMINAL SUPPLY
INTERNAL SUPPLY TO PROFIBUS PCB
EXTERNAL 17-36VDC SUPPLY

FUSE FS1 - 150mA ANTI-SURGE
ALL TRANSFORMER TYPES - PS1 SELF
RESETTING FUSE.

NOTE
REFER TO PUBLICATION E170E FOR
APPROVED FUSES FS1 AND FS2.
MAX EXTERNAL LOAD ON TERMINALS
4 & 5 TO BE 15VA.

CONTROL SIGNAL THRESHOLD VOLTAGES
TO BE MINIMUM 'ON' 20V AC/DC
MAXIMUM 'OFF' = 3V
MINIMUM CONTROL SIGNAL DURATION
TO BE 300ms.

CURRENT DRAWN FROM EACH REMOTE
CONTROL SIGNAL IS 5mA ON 24V DC
OR 12mA ON 120V AC

INDICATION CONTACTS S1-S4 ARE SHOWN
IN THEIR DEFAULT CONFIGURATION.
CONTACTS MAY BE CONFIGURED FOR ANY
OF THE FUNCTIONS DESCRIBED IN E170E

PROFIBUS WILL FUNCTION NORMALLY
WHEN 3-PH MAINS POWER OR EXTERNAL
17-36VDC SUPPLY IS APPLIED.

FOR TYPICAL REMOTE CONTROL
INDICATING, MONITORING AND ALARM
CIRCUITS SEE PUBLICATION E120E

VOLTAGE INPUT (0-5 VOLTS)
+Ve TO 'A', 0 VOLTS TO COMMON
CURRENT INPUT (0-20mA)
LINK A TO B, CURRENT SOURCE
BETWEEN A/B AND COMMON.

ANALOGUE I/P 'A'
ANALOGUE I/P 'B'
COMMON

TERMINATOR
PROFIBUS B(IN)
PROFIBUS B(OUT)
PROFIBUS A(IN)
PROFIBUS A(OUT)
SCREEN

No	DATE	REVISION DETAILS
01	100214 JC1	FIRST ISSUE

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BATH, BA1 3JQ
ENGLAND
Tel: 01225-733200
ROTORK CONTROLS INC
ROCHESTER
NY 14624, USA
Tel: 585-247-2304

CONFIG BY JC1
DATE 100214
CHECKED PJW
BASE WD 3050-901
JOB No -
M.I.No -

**IQ + AUX POWER +
1-CH P/BUS + 120V AC**
CIRCUIT DIAGRAM No -REV
3050-901-01
B1 C1 B2 C2