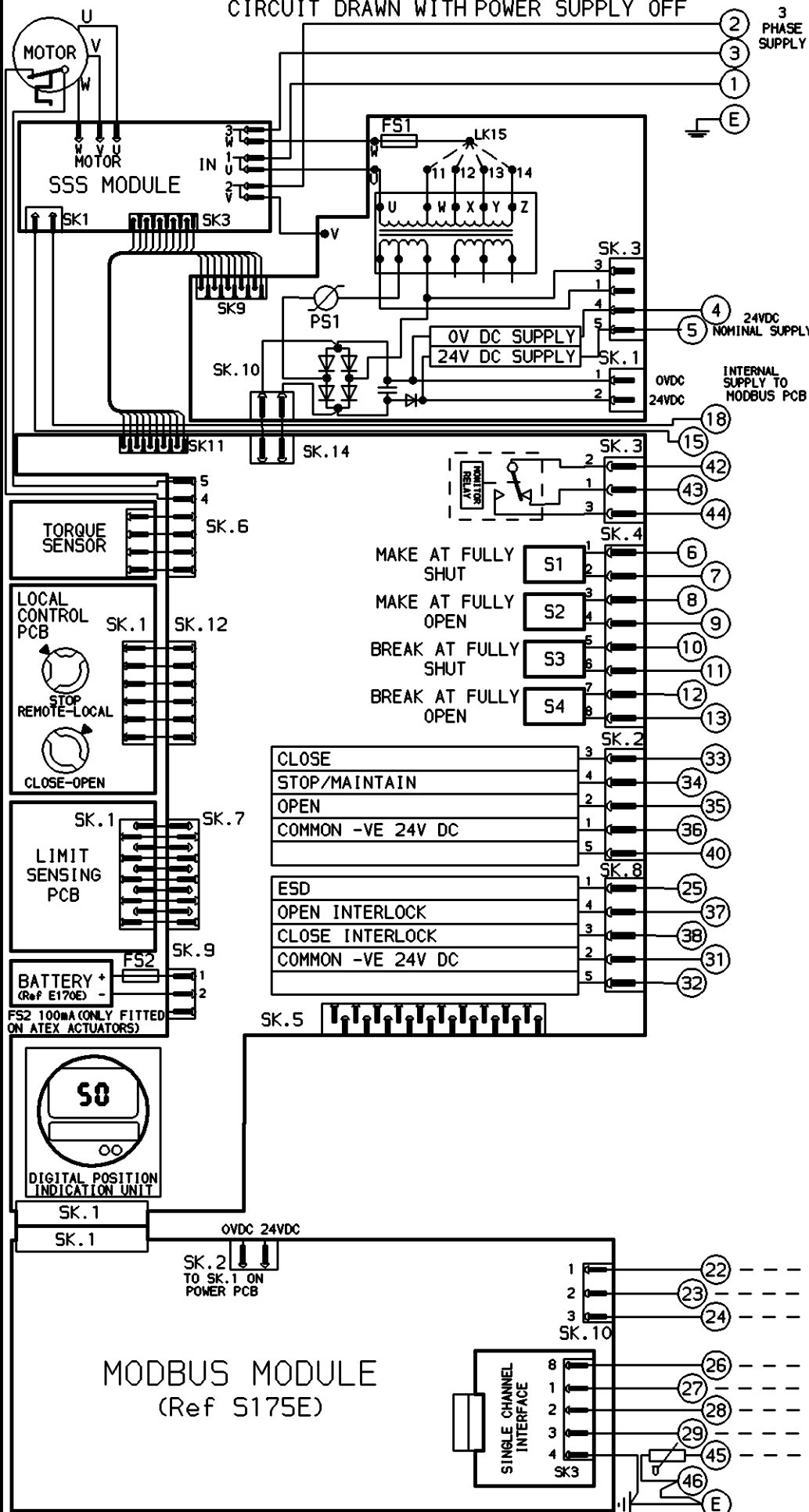


CIRCUIT DRAWN WITH POWER SUPPLY OFF



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	501-625

FUSE FS1 - 250mA ANTI-SURGE

FUSE FS1 - 250mA ANTI-SURGE

NOTE
THE ACTUATOR MUST BE PROTECTED USING SUITABLY RATED HIGH SPEED SEMI-CONDUCTOR FUSES ON THE INCOMING SUPPLY.
SUGGESTED FUSES:-
IQ10-20:10 Amp Ferraz G330010
IQ25-35:20 Amp Ferraz K330013
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 5W.
CONTROL SIGNAL THRESHOLD VOLTAGES TO BE MINIMUM 'ON' 20V AC/DC
MAXIMUM 'OFF' = 3V
MINIMUM CONTROL SIGNAL DURATION TO BE 100ms.
CURRENT DRAWN FROM EACH REMOTE CONTROL SIGNAL IS 5mA ON 24V DC

WIRES ARE IDENTIFIED AT EACH END BY TERMINAL No. OR TAG No.

BRAKE ENABLE
LINK 4 TO 15 & 5 TO 18 TO ENABLE BRAKE

FOR TYPICAL REMOTE CONTROL INDICATING, MONITORING AND ALARM CIRCUITS SEE PUBLICATION E420E

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 TO USE THE TERMINATOR CONNECT A LINK BETWEEN 1A THE TERMINATOR AND 1B BUNG CONNECTIONS. WIRE MODBUS FIELD CONNECTIONS AS NORMAL.
COMMON SCREEN

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

No	DATE	REVISION DETAILS
06	250210 PJW	SSS UPDATED TO CELDUC. Checked: JC1 EC2888/1

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CONF16 BY PJW
DATE 310501
CHECKED DA
BASE WD 5000-400
JOB No -
M.I.No -

IQM BASIC + MODBUS

CIRCUIT DIAGRAM No -REV 102
5000-400-06

B1 C1 B2 C2