



- NOTE 1: DRIVE ALARM OPENS ON FAULT.  
 NOTE 2: AUTO - MAN KEY SWITCH (KEY REMOVABLE IN AUTO POSITION ONLY).  
 NOTE 3:A: IF ONLY 1 CABLE IS PROVIDED FOR SEAL FAIL THEN EARTH S1.  
 NOTE 3:B: IF PROPRIETARY MOTOR PROTECTION UNITS ARE INSTALLED REMOVE BRIDGING LINK TB1-X5 & TB1-X6 AND TB1-X7 & TB1-X8. SEAL AND THERMAL INDICATION MUST BE INTERFACED TO K255 AND K259. SEAL AND THERMISTOR RELAYS REPLACED WITH OMRON G2R24-SNDI. IGNORE T1, T2, S1 & S2. SPARE  
 NOTE 4: AUXILIARY CONTACT NOT USED WHERE MODBUS CONNECTION TO CIRCUIT BREAKER IS PRESENT.  
 NOTE 5: FOR RJ45 TERMINATIONS REFER TO SD-820-11.  
 NOTE 6: USE TERMINALS 05 AND 06 FOR THERMISTOR INTERLOCK.  
 NOTE 8: PHOENIX CONTACTS: 11-C, 12-NC, 14-NO.

ISSUE	AMENDMENT DETAILS	Drawn	Checked	Approved	Date
00	ORIGINAL ISSUE			D.F	3.8.12
01	AMENDED ISSUE RELEASED FOR PUBLICATION	E.K	P.B	D.F	13.08.13
02	ADDITION OF RUNNING RELAY AND ASSOCIATED CONTACTS	E.K	P.B	D.F	27.04.15
03	NOTES AMENDED	C.N	P.B	D.F	05.12.18
04	UPDATED OMRON RELAY PART NO IN NOTES	P.B	M.G	D.F	14.02.19
05	UPDATED VSD MODBUS REFERENCE NUMBERING & K366	P.B	D.R	J.G	29.07.20

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DESIGNED:	PROJECT:	DRAWING NUMBER:
DRAWN:	SEWAGE PUMP STATIONS ELECTRICAL STANDARD DRAWINGS	SD-820B/03
APPROVED:	PLAN TITLE:	SHEET 03 OF 19
SCALE NTS	PUMP No.2. VARIABLE FREQUENCY DRIVE POWER AND CONTROL (ATV630,650)	REV 05
ACAD FILE No.:		DATE 29/07/2020