



WestRock Packaging Systems, LLC

SINGLE LEVEL BILL OF MATERIAL

Date Printed: 9/14/2021 1:38:03PM

ASSEMBLY NUMBER: U5028646M-1148

ASSY,ELECT PANEL

REVISION LEVEL: ?

BOM SEQ	COMPONENT PART NUMBER	DESCRIPTION	QUANTITY	UOM	REV	ENG SEQ
000		***** ***** * ASSY, ELECTRIAL PANEL * ***** ELECTRICAL CONTROL ENC. ***** STANDARD SOFT DRINK MACHINE - 480 vac Gen 2.1 ***** COPIED: U5028646M ENGR: T. COOKE ***** SEE ASSY,MACHINE DOCUMENTATION BOM FOR ELECTRICAL DRAWINGS NUMBERS ***** USE SEQ.#66000 THRU 71999 ONLY. (AS FOLLOWS:) 66200-66999: ENCLOSURE & HARDWARE 67000-68999: POWER PANEL 69000-71499:CONTROL PANEL 71499-71999: MISC. ***** ***** ** ENCLOSURE **	1.00	EA	-	
001	U5016849M-003	ELECTRICAL CABINET, POWER/CRL	1.00	EA	B	
002	U5020199P	SUB PANEL FOR 2000X1000, GALV	1.00	EA	-	66211
003	U5020200P	SUB PANEL FOR 2000X1200, GALV	1.00	EA	-	66212
004	U5001266P	ELECTRIC WARNING SIGN	2.00	EA	A	66310
005	U5019715P	4" COMPACT COOLING FANS	2.00	EA	?	66320
006	U5019716P	FAN BRACKET	2.00	EA	?	66325
007	U5019717P	FAN FINGER GUARD	2.00	EA	?	66330



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		***** *PANEL LIGHTS * *****				
007A	U5026035P	LED PANEL LIGHT, 15" 24VDC, .5 AMP	2.00	EA	-	
007B	U5019156P	REMOTE DOOR SWITCH	2.00	EA	?	
		***** *PANEL POWER DISCONNECT * *****				
008	U5018752P	60" CABLE MECHANISM	1.00	EA	-	66400
009	U5018753P	ENCLOSURE DISCONNECT HANDLE	1.00	EA	-	66405
010	U5026101P	HJL 3P CIRCUIT BREAKER 60 AMP 100% RATED	1.00	EA	-	
010A	09-033394-2135-0	LUG, ILSCO	2.00	EA	-	
010B	U5026748P	POWER DISTRIBUTION CONNECTORS FOR HJL	3.00	EA	-	
010C	U5027042P	TERMINAL SHIELD FOR POWER DISTRIBUTION	1.00	EA	-	
		*****INTERNAL DISC ENCLOSURE *****				
011	U5027930P	INTERNAL DISCONNECT ENCLOSURE - SAFETY	1.00	EA	-	
		***** *** POWER PANEL *** *****				
		NAME PLATES				
012	U5026094M	NAMEPLATES, POWER PANEL	1.00	EA	-	
012A	U5026097M	NAMEPLATES, POWER PANEL	1.00	EA	-	
012B	U5026098M	NAMEPLATES, CONTROL PANEL	1.00	EA	-	
012C	U5026099M	NAMEPLATES, CONTROL PANEL	1.00	EA	-	
012D	U5026119M	NAMEPLATE, POWER SUPPLY CONNECTION	1.00	EA	-	
012E	U5026120M	NAMEPLATE, PRI 20KVA CONNECTION	1.00	EA	-	



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012F	U5026122M	NAMEPLATE, PRI 34KVA CONNECTION	1.00	EA	-	
012G	U5026123M	NAMEPLATE, SEC 34KVA CONNECTION	1.00	EA	-	
012H	U5026121M	NAMEPLATE, SEC 20KVA CONNECTION	1.00	EA	-	
014	U5026105M	NAMEPLATE, FUSE REPLACEMENT TABLE	1.00	EA	-	
014A	U5026115M	NAMEPLATES, RECEPTACLES	1.00	EA	-	
015	U5018635M	NP VFD POWER FUSE RATING	0.00	EA	?	67058

016	U5018387P	THRU-DOOR VOLTAGE INDICATOR	2.00	EA	-	67110
017	U5018388P	VOLTAGE INDICATOR WARN LABEL	2.00	EA	-	67115
018	U5016221M	POWER ON NAMEPLATES	1.00	EA	-	67120

		*** AIR CONDITIONER ***				
		*** 230 VAC ***				
019	U5026113P	CIRCUIT BREAKER 2 POLE 10 AMP	1.00	EA	-	
020	U5012319P	SWITCH,TEMP CONTROL	1.00	EA	?	67575
020A	U5027024P	3/C 14 AWG FLEXABLE CORDAGE	120.00	IN	-	
021	U5029279P	AIR CONDITIONER, 230V 6000BTU, HOFFMAN	1.00	EA	-	
024	09-031455-0000-0	LABELS, QUICK STRIP MARKER	14.00	EA	A	67719
025	09-029538-0000-0	RELAY MODULE RS 30 220V	1.00	EA	-	67720
026	09-031196-0000-0	INTERFACE RELAY 110VAC COIL	2.00	EA	-	67725
027	09-029537-0000-0	RELAY 24V, MODULE	2.00	EA	-	67730

		** SERVO EQUIPMENT **				

		CONTACTORS & FUSES				



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028	U5000763P	TOUCH SAFE FUSEHOLDER	3.00	EA	-	67825
029	U5004595P	FUSE, TIME DELAY	6.00	EA	?	67830

030	U5027493P	INDRACONTROL L75.1 MLC, CONFIGURE	1.00	EA	-	
031	U5020906P	MLC ACCSRY CONN SET	1.00	EA	?	
032	U5027494P	MLC FIRMWARE VER 14	1.00	EA	-	
033	U5020902P	MLC FUNC MODL,PLS CFL01.1-N1	1.00	EA	-	
034A	U5011393P	INDRADRIVE SERCOS III 2.0m	1.00	EA	?	
034B	U5027748P	SERCOS III CABLE, 3m, RKB0011/003.0	1.00	EA	A	
035	U5006917P	INDRADRIVE POWER SUPPLY	1.00	EA	-	67875
036	U5006918P	INDRADRIVE POWER FILTER	1.00	EA	A	67880
037	U5006922P	INDRADRIVE PWR CONNECTION KIT	1.00	EA	-	67885

** SERVO DRIVES ***						

AXIS #1-CARRIER LH OUTSDE						
AXIS #2-CARRIER LH INSIDE						
038	U5011378P	INDRADRIVE SERCOS III .25M	1.00	EA	?	
039	U5006920P	INDRADRIVE DUAL AXIS PWR MOD.	1.00	EA	-	67915
040	U5027495P	INDRADRIVE CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	
041	U5027496P	INDRADRIVE FIRMWARE	1.00	EA	-	
043	U5006915P	INDRADRIVE ACCESSORIES KIT	1.00	EA	-	67925
044	U5006916P	INDRADRIVE SHIELD CONNECTION	1.00	EA	-	67930



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		AXIS #3-CARRIER RH INSIDE				
		AXIS #4-CARRIER RH OUTSIDE				
045	U5011378P	INDRADrive SERCOS III .25M	1.00	EA	?	
046	U5006920P	INDRADrive DUAL AXIS PWR MOD.	1.00	EA	-	67955
047	U5027495P	INDRADrive CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	
048	U5027496P	INDRADrive FIRMWARE	1.00	EA	-	
050	U5006915P	INDRADrive ACCESSORIES KIT	1.00	EA	-	67965
051	U5006916P	INDRADrive SHIELD CONNECTION	1.00	EA	-	67970

		AXIS #5-FEEDER WHEEL 1				
		AXIS #6-FEEDER WHEEL 2				

052	U5011378P	INDRADrive SERCOS III .25M	1.00	EA	?	
053	U5006920P	INDRADrive DUAL AXIS PWR MOD.	1.00	EA	-	67995
054	U5027495P	INDRADrive CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	
055	U5027496P	INDRADrive FIRMWARE	1.00	EA	-	
057	U5006915P	INDRADrive ACCESSORIES KIT	1.00	EA	-	68013
058	U5006916P	INDRADrive SHIELD CONNECTION	1.00	EA	-	68015

		AXIS #7-FEEDER WHEEL 3				
		AXIS #8-METERING CONVEYOR				

059	U5011378P	INDRADrive SERCOS III .25M	1.00	EA	?	
060	U5006920P	INDRADrive DUAL AXIS PWR MOD.	1.00	EA	-	68032
061	U5027495P	INDRADrive CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	



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BOM SEQ	COMPONENT PART NUMBER	DESCRIPTION	QUANTITY	UOM	REV	ENG SEQ
062	U5027496P	INDRADrive FIRMWARE	1.00	EA	-	
064	U5006915P	INDRADrive ACCESSORIES KIT	1.00	EA	-	68040
065	U5006916P	INDRADrive SHIELD CONNECTION	1.00	EA	-	68050
		***** AXIS #9-GROUPING CONVEYOR AXIS #10 - LH LOAD *****				
066	U5011378P	INDRADrive SERCOS III .25M	1.00	EA	?	
067	U5006920P	INDRADrive DUAL AXIS PWR MOD.	1.00	EA	-	68072
068	U5027495P	INDRADrive CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	
069	U5027496P	INDRADrive FIRMWARE	1.00	EA	-	
071	U5006915P	INDRADrive ACCESSORIES KIT	1.00	EA	-	68080
072	U5006916P	INDRADrive SHIELD CONNECTION	1.00	EA	-	68090
		***** AXIS #11 - RH LOAD AXIS #12 - LH FOLD *****				
073	U5011378P	INDRADrive SERCOS III .25M	1.00	EA	?	
074	U5006920P	INDRADrive DUAL AXIS PWR MOD.	1.00	EA	-	68112
075	U5027495P	INDRADrive CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	
076	U5027496P	INDRADrive FIRMWARE	1.00	EA	-	
078	U5006915P	INDRADrive ACCESSORIES KIT	1.00	EA	-	68120
079	U5006916P	INDRADrive SHIELD CONNECTION	1.00	EA	-	68132
		***** AXIS #13 - RH FOLD AXIS #14 - LH COMPRESSION *****				



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080	U5011378P	INDRADrive SERCOS III .25M	1.00	EA	?	
081	U5006920P	INDRADrive DUAL AXIS PWR MOD.	1.00	EA	-	68153
082	U5027495P	INDRADrive CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	
083	U5027496P	INDRADrive FIRMWARE	1.00	EA	-	
085	U5006915P	INDRADrive ACCESSORIES KIT	1.00	EA	-	68158
086	U5006916P	INDRADrive SHIELD CONNECTION	1.00	EA	-	68160
		***** AXIS #15 - RH COMPRESSION AXIS #16 - LH ACCELERATOR *****				
087	U5011378P	INDRADrive SERCOS III .25M	1.00	EA	?	
088	U5006920P	INDRADrive DUAL AXIS PWR MOD.	1.00	EA	-	68193
089	U5027495P	INDRADrive CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	
090	U5027496P	INDRADrive FIRMWARE	1.00	EA	-	
092	U5006915P	INDRADrive ACCESSORIES KIT	1.00	EA	-	68198
093	U5006916P	INDRADrive SHIELD CONNECTION	1.00	EA	-	68200
		***** AXIS #17 - RH ACCELERATOR *****				
094	U5011378P	INDRADrive SERCOS III .25M	1.00	EA	?	
095	U5006920P	INDRADrive DUAL AXIS PWR MOD.	1.00	EA	-	68233
096	U5027495P	INDRADrive CONTROL UNIT DOUBLE AXIS,	1.00	EA	-	
097	U5027496P	INDRADrive FIRMWARE	1.00	EA	-	
099	U5006915P	INDRADrive ACCESSORIES KIT	1.00	EA	-	68238
100	U5006916P	INDRADrive SHIELD CONNECTION	1.00	EA	-	68240



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		***** ** DRIVES & CONTACTORS * ***** **** VACUUM PUMPS **** *****				
101	U5026638P	MOTOR PROTECTOR 4.5 TO 6.3 AMPS	3.00	EA	-	
102	U5026641P	CONTACTOR, 3 PHASE, 9 AMP	3.00	EA	-	
103	U5026642P	CONTACTOR SURGE SUPPRESSOR	3.00	EA	-	
104	U5026643P	AUXILIARY CONTACT, FRONT, 1 NO	3.00	EA	-	
105	U5026639P	PROTECTOR AUX SWITCH	3.00	EA	-	
		***** **** 5 HP VFD *** *****				
106	U5027570P	DRIVE, AB PFLEX 525, 5.0 HP 230 VAC 3P	1.00	EA	-	
110	U5026640P	MOTOR PROTECTOR 18 - 25 AMPS	1.00	EA	-	
111	U5016331P	CONTACTOR,24V, 32 AMP,SIEMENS	1.00	EA	?	68335
112	U5026641P	CONTACTOR, 3 PHASE, 9 AMP	5.00	EA	-	
113	U5026642P	CONTACTOR SURGE SUPPRESSOR	6.00	EA	-	
114	U5026643P	AUXILIARY CONTACT, FRONT, 1 NO	8.00	EA	-	
		***** *** 0.5 HP VFD *** *****				
116	U5027569P	DRIVE, AB PFLEX 525, 0.5 HP 230 VAC 3P	1.00	EA	-	
120	U5026638P	MOTOR PROTECTOR 4.5 TO 6.3 AMPS	1.00	EA	-	
121	U5026641P	CONTACTOR, 3 PHASE, 9 AMP	6.00	EA	-	
122	U5026642P	CONTACTOR SURGE SUPPRESSOR	6.00	EA	-	



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123	U5026643P	AUXILIARY CONTACT, FRONT, 1 NO	6.00	EA	-	
123A	U5027538P	LATERAL AUX SWITCH BLOCK SIDE 2 NO	6.00	EA	-	
		***** 24 VDC PWR SUPPLY *****				
125	U5017272P	POWER SUPPLY,24 VDC,20AMP	3.00	EA	?	68505
126	U5017273P	POWER SUPPLY,24 VDC,10 AMP	1.00	EA	?	68515
		***** UPS *****				
128	U5001780P	UPS, 120VAC, 1200W	1.00	EA	-	68540
129	U5020143P	POWER CORD 15 AMP 14 AWG 9.8'	4.00	EA	?	68545
130	U5026189P	120 VAC DUAL OUTLET	1.00	EA	-	
		***** * CIRCUIT BREAKERS - PWR* *****				
131	U5026057P	MCCB 80 AMP, 65KA @240VAC THERMAL	1.00	EA	-	
132	U5009494P	CKT BRKR,5A,1-POLE,UL489	2.00	EA	-	68611
		panel lights				
132A	U5017878P	CIRCUIT BREAKER, 2 A, MINI	1.00	EA	?	
133	U5026072P	CIRCUIT BREAKER, 10 AMP, 1 POLE, UL 489	4.00	EA	-	
133A	U5026073P	CIRCUIT BREAKER, 15 AMP, 1 POLE, UL 489	1.00	EA	-	
		Control Power Transformer				
134A	U5000763P	TOUCH SAFE FUSEHOLDER	2.00	EA	-	
134B	U5025954P	TIME DELAY FUSE 30 AMP U.L. J CLASS	2.00	EA	-	
135	U5025957P	MOLDED CASE CIRCUIT BREAKER 25 AMP	1.00	EA	-	
135A	U5026051P	MOLDED CASE CIRCUIT BREAKER 30 A	1.00	EA	-	



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135B	U5026054P	MOLDED CASE CIRCUIT BREAKER, G, 50A *glue tank*	1.00	EA	-	
135C	U5026114P	MOLDED CASE CIRCUIT BREAKER 35 AMP ***** ** TERMINAL BLOCKS ** *****	1.00	EA	-	
137	09-035271-2135-0	END BRACKET	7.00	EA	-	68815
138	09-035272-2135-0	TERMINAL, TAN	63.00	EA	-	68820
139	09-035274-2135-0	JUMPER ASSY, 10 POLE	10.00	EA	-	68850
140	09-029527-0000-0	DIN RAIL, TRACK	2.00	EA	-	68870
141	09-034474-2135-0	POWER DIST. BLOCK	1.00	EA	-	68880
142	U5001330P	COVER, POWER DIST. BLOCK	2.00	EA	-	68881
142A	U5026081P	ENCLOSED POWER DISTRIBUTION BLOCK 1:4	2.00	EA	-	
142B	09-029587-0000-0	GND,WDMLR#WPE6-10102.0	10.00	EA	-	
143	U5016417P	GROUND BAR, 8 TAPS	3.00	EA	A	68890
144	U5016418P	GROUND BAR, 14 TAPS * ***** ALLEN BRADLEY CTRL LOGIX *****	2.00	EA	A	68892
145	U5027499P	PROCESSOR, AB PLC, 1756-L82E	1.00	EA	-	
146	09-036068-2059-0	SLOT CHASSIS	1.00	EA	-	
147	09-036069-2059-0	POWER SUPPLY AB 1756	1.00	EA	-	69240
148	09-036070-2059-0	SLOT FILLER	3.00	EA	-	69290
148A	09-036067-2059-0	REMOTE I/O COMM MODULE	1.00	EA	-	



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148B	09-036126-2059-0	AB ANALOG OUTPUT 1756-OF4	1.00	EA	?	
149	U5015761P	AB 1756 EN2T ETHERNET MODULE	2.00	EA	?	
		***** * PANEL I/O * *****				
150	U5009307P	I/O MAIN PANEL, EIP	1.00	EA	-	69305
		***** * INDUSTRIAL PC.* *****				
151	U5028652P	INDRACONTROL VPB40.4 COMPUTER SET -	1.00	EA	-	
		***** ** COMM. EQ. ** *****				
154	U5006700P	SW,ETHERNET,16PORT,MANAGED	1.00	EA	-	69525
156	U5026088P	GFCI UTILITY RECEPTACLE W/ENET	1.00	EA	-	
		***** COMMUNICATION CABLES *****				
157	U5028331P	IE PATCH CABLE TWO RJ45 CONNECTORS 1 m	2.00	EA	-	
158	U5028332P	IE PATCH CABLE TWO RJ45 CONNECTORS 3 m	6.00	EA	-	
159	U5028333P	IE PATCH CABLE TWO RJ45 CONNECTORS 6 m	4.00	EA	-	
160	U5028334P	IE PATCH CABLE TWO RJ45 CONNECTORS 15 m	1.00	EA	-	
161	U5009274P	RJ45 - M12 CABLE 3M- SHIELD	1.00	EA	-	69675
162	U5011105P	POWER SUPPLY PLUG	0.00	EA	-	69695
		***** ***** *CRCT BRKRS (SUPPLEMNTL)* *****				
165	09-026675-0000-0	CIRCUIT BREAKER 10 Amp	2.00	EA	-	70802



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165A	U5026069P	CIRCUIT BREAKER, 1/2 AMP, 1 POLE, UL489	1.00	EA	-	
166	09-030438-0000-0	C.B.1AMP	2.00	EA	-	70805
167	09-024964-0000-0	CIRCUIT BREAKER AB-1492-GH030	4.00	EA	B	70809
168	09-025003-0000-0	CIR. BRKR.AB-1492-GH050	3.00	EA	-	70810
169	U5026070P	CIRCUIT BREAKER, 1 AMP, 1 POLE, UL489	1.00	EA	-	
170	09-024964-0000-0	CIRCUIT BREAKER AB-1492-GH030	3.00	EA	B	70880
		LAPTOP POWER OUTLET				
171	09-024964-0000-0	CIRCUIT BREAKER AB-1492-GH030	1.00	EA	B	70901
172	U5026189P	120 VAC DUAL OUTLET	1.00	EA	-	
173	09-025003-0000-0	CIR. BRKR.AB-1492-GH050	1.00	EA	-	70910
		***** TERMINAL BLOCKS FOR NON- PLC I/O WIRING *****				
174	09-033027-2016-0	DIODE	15.00	EA	-	71005
175	U5020044P	RESISTOR, 1.5K OHMS	5.00	EA	?	71010
176	09-035257-2135-0	TERMINAL BLCK, FEED THROUGH	16.00	EA	A	71015
176A	09-035265-2135-0	WDMLR END PLATE	10.00	EA	-	
177	09-035264-2135-0	TRML BLCK,FEED THRU DUAL LVL	200.00	EA	A	71020
178	09-035259-2135-0	END PLATE	6.00	EA	-	71030
181	09-035271-2135-0	END BRACKET	8.00	EA	-	71060
182	09-029527-0000-0	DIN RAIL,TRACK	4.00	EA	-	71065
183	09-035260-2135-0	JUMPERS 10 POLE / 10 PER BOX	30.00	EA	-	71070
185	U5012364P	TERMINAL MARKERS,QTY AS PIECES	2.00	EA	A	71210



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186	09-032427-2160-0	GROUNDING CABLE	2.00	EA	?	71220
188	U5022311P	VFD CABLE 4/C 12 AWG	0.00	IN	?	71240



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		EXP(1) WIRE DUCT PANDUIT #E3X4LG6'				
		EXP(8) WIRE DUCT COVER PANDUIT #C2LG6'				
		EXP(8) WIRE DUCT PANDUIT #E2X4LG6				
		EXP(1) WIRE DUCT COVER PANDUIT #C3LG6				
		EXP (1) WIRE DUCT PANDUIT E1X4LG6				
		EXP (1) WIRE DUCT COVER PANDUIT C1LG6				
		EXP(250') CONTROL WIRE STRANDED GREY-300V. #18 AWG. -TYPE MTW				
		EXP(1200') CONTROL WIRE AWG.18 STRANDED BLUE 300V TYPE MTW				
		EXP(1200')24 VDC SUPPLY WIRING 16 AWG, STRANDED BLUE 300V				
		EXP(100') CHASSIS GROUND WIRE #16 AWG. STRANDED GREEN 300V.				
		EXP(500') CONTROL WIRE #18 AWG - TYPE MTW STRANDED BLACK EXP(100') SAM				
		#14 AWG - TYPE THW STRANDED BLACK, 600V EXP(50') MAIN PWR, SAM, FILTER				
		#8 AWG - TYPE MTW STRANDED BLACK, 600V EXP(50') GND SAM				
		#12 AWG - TYPE THW STRANDED GREEN - 600V EXP(50') SAM				
		#14 AWG - TYPE MTW STRANDED RED - 600V EXP(50') ACOPIAN #12 AWG - TYPE THHN STRANDED BLUE - 600V				



WestRock Packaging Systems, LLC

SINGLE LEVEL BILL OF MATERIAL

Date Printed: 9/14/2021 1:38:03PM

ASSEMBLY NUMBER: U5028646M-1148

ASSY,ELECT PANEL

REVISION LEVEL: ?

BOM SEQ	COMPONENT PART NUMBER	DESCRIPTION	QUANTITY	UOM	REV	ENG SEQ
		EXP(30') SPIRAL WRAP PANDUIT #T25F-C STRANDED GREEN - 600V NOT REQUIRED EXP(300') BLEDEN 9918 *****				
190	U5023890P	FLEXSOFT SAFETY CONTROLLER	1.00	EA	?	
191	U5023891P	FLEXSOFT SYSTEM PLUG	1.00	EA	?	
192	U5023892P	FLEXSOFT EXTENSION, 8IN/4 OUT	6.00	EA	?	
194	U5022625P	GTWY,SFTY CNTR,ETHNT IP *****	1.00	EA	?	
		LINE SIGNALS - INTERFACE RELAYS				
195	U5002631P	TERM BLK RELAY, 24VDC COIL *****	15.00	EA	?	
		* REMOVE POWER FROM UPSTREAM & DOWNSTREAM VALVES * *****				
196	U5026041P	SAFETY CONTROL RELAY, 24VDC COIL	1.00	EA	-	
200		***** ***** ** Revisions ***** *****	1.00	EA	-	

ASSEMBLY NUMBER: U5028646M-1148

END OF DETAILS