## PDP REMOTE DISCONNECT JUNCTION BOX

ECS-4830

DEF

## DRAWING PACKAGE REVISION LEVEL: F

DATE:

LAST PART SELECTED WITH: GM\_ePartsDB\_202006

DESIGN LEADER: PROGRAMS: GM ENGINEER:

KRISTINE BOETTGE

PDP REMOTE DISCONNECT DESCRIPTION: JUNCTION BOX TITLE AND REFERENCE SHEET DESCRIPTION:

SYSTEM/TOOL NO: DRAWING NUMBER: ECS-4830

REFERENCE USED:

REVISION LETTER: F RELEASE DATE: 2006-03-03

SECTION SHEET LETTER: NUMBER: 2020-08-27

ENGINEERING MANAGER:

GM GM - STANDARD HARDWARE TEAM

HIS MATERIAL IS THE PROPERTY OF GENERAL MOTORS CORPORATION. NO RIGHTS ARE GRANTED TO SES SUCH MATERIAL FOR ANY PURPOSE OTHER THAN THE FURNISHING OF SERVICES AND SUPPLIES.

	SECTION	REV	SHEET	DESCRIPTION
Α	REFERENCE	F	1	TITLE AND REFERENCE SHEET
		F	2	TABLE OF CONTENTS
		F	3	REVISION SUMMARY SHEET
Е	MAGNETICS	В	1	MAGNETICS
Х	ENCLOSURE	F	1	ENCLOSURE LAYOUT
		F	2	SUBPLATE LAYOUT
		F	3	PANEL FOOTPRINT
ΥA	BILL OF	F	1	BOM CHANGE SHEET: ECS-4830-BOM
	MATERIALS	F	2	ECS-4830-BOM
ΥZ	DEVICE LIST	F	1	DEVICE LIST

SECTION	REV	SHEET	DESCRIPTION

GM GM - STANDARD	GM ENGINEER: HARDWARE	DESIGN SOURCE:	DESIGN LEADER: KRISTINE	PACKAGE PDP REMOTE DISCONNECT DESCRIPTION: JUNCTION BOX		EASE DATE: REVISION LETTER:	SECTION LETTER:	SHEET NUMBER:
THIS MATERIAL IS THE PROPERTY OF GENERAL MOT	TEAM	CUTC ADE CDANTED TO	BOETTGE	SHEET TABLE OF CONTENTS	DRAWING NUMBER:	DATE:	A	2 of 3
USE SUCH MATERIAL FOR ANY PURPOSE OTHER THA				DESCRIPTION:	ECS-4830	2020-08-	2/	

PROJECT NAME: ECS-4830\_RevF(2020-08-27)

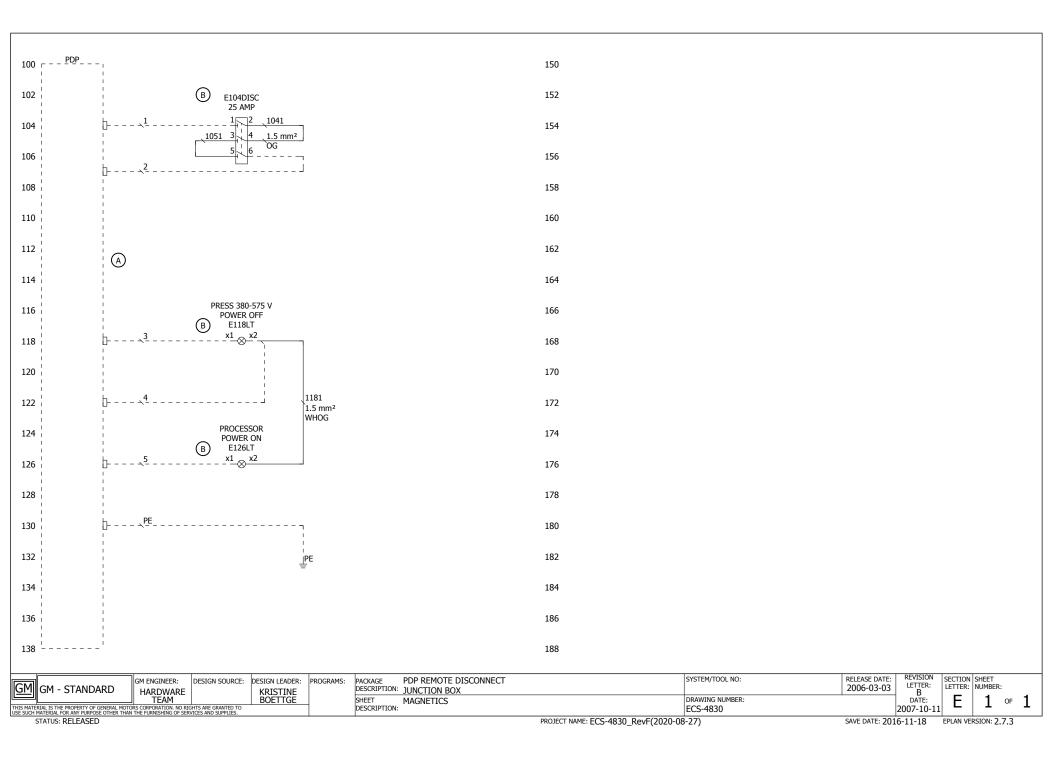
SAVE DATE: 2020-08-27 EPLAN VERSION: 2.7.3

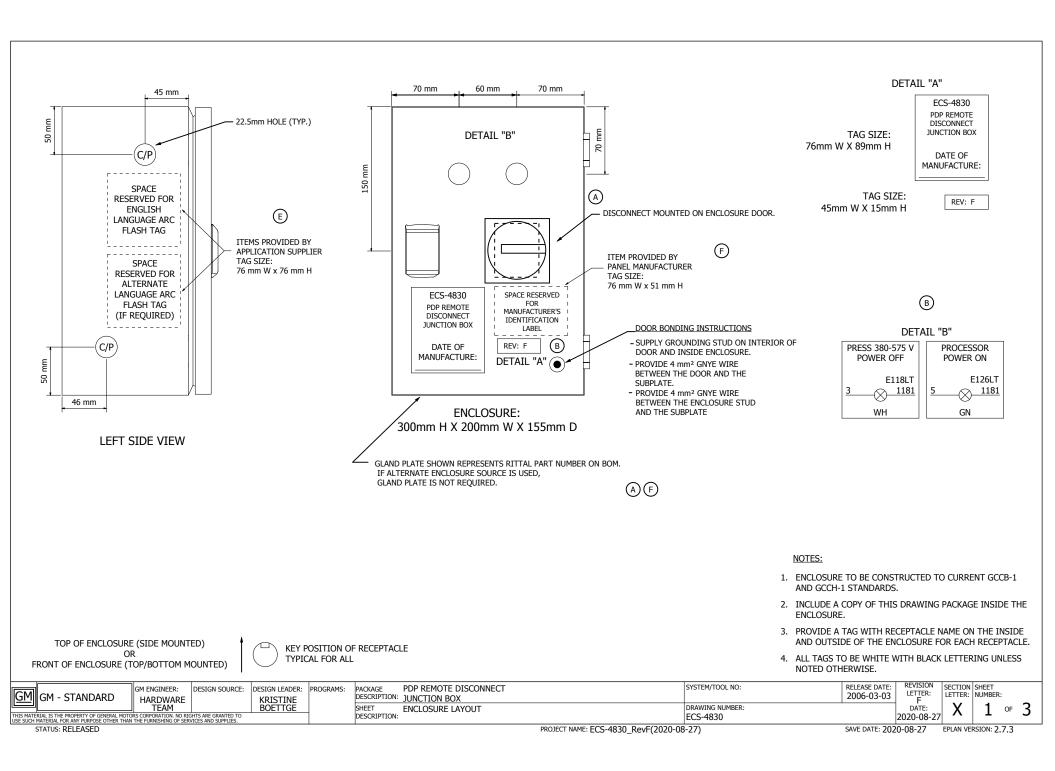
_			T										1											
RE	V ,	SHEET AFFECTED	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY	REV	SHEET AFFECTED	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY												
1	4	A1	-UPDATED PROJECT TO IEC SYMBOLS. INCLUDING SHEETS E1	2007-01-18	СР	DN		A3	- REVISION NOTE 'E' ADDED															
			AND X1DRAWING PACKAGE REVISION LEVEL WAS "BUILD".					X1	- ARC FLASH TAG LOCATIONS ADDED															
		A2	-UPDATED TABLE OF CONTENTS.	1				X3	- WORKING SPACE WIDTH WAS 750MM															
		A3	-UPDATED REVISON NOTES.	7			F	A1	- UPDATED DRAWING PACKAGE TO REVISION F.	2020-08-27	С	SK												
		E1	- REMOVED J2 RECEPTACLE.						- UPDATED PARTS DATABASE, TO 'GM_EPARTSDB_202006. - DRAWING WAS UPDATED TO EPLAN V2.7.3, WAS PREVIOUSLY															
			- ADDED PE - REVISED WIRE NUMBERS						V2.0.9	_														
		X1	- ADDED DIMENSIONS FOR POWER OFF, POWER ON LIGHTS AND					A2	- UPDATED DRAWING PACKAGE TO REVISION F.	4														
			DISCONNECT UPDATED REVISION TAG TO 'REV: A'					A3	- MASTER CHANGE SHEET RENAMED TO REVISION SUMMARY SHEET.															
			- REMOVED J2 RECEPTACLE.					X1	- ENCLOSURE CABNINET CHANGED FROM AE TO KX SERIES.															
H	_		- UPDATED BONDING NOTE	2007 40 44	_				- DELETED LIGHTNING BOLT. - ADDED MANUFACTURER ID LABEL.															
"	В	A1	- DRAWING PACKAGE REVISION LEVEL WAS: 'A'. - LAST PART SELECTED WAS 'GCCL_REL'.	2007-10-11	С	MAW			- UPDATED DOOR BONDING INSTRUCTIONS.															
		A2	- UPDATED TABLE OF CONTENTS.					X2	- SUBPLATE CHANGED DUE TO THE UPDATE IN ENCLOSURE TO KX SERIES.															
		A3	- UPDATED REVISION NOTES.	_				Х3	- ADDED PANEL FRONT VIEW.	1														
		E1	- E118LT DESCRIPTION WAS 'PRESS 480 VOLT. POWER OFF'. - E126LT DESCRIPTION WAS 'PROCESSOR VOLT. POWER ON'.																					
			- E104DISC WAS E104CB.																					
		X1	- E118LT DESCRIPTION WAS 'PRESS 480 VOLT. POWER OFF' E126LT DESCRIPTION WAS 'PROCESSOR VOLT. POWER ON' UPDATED TAG DETAILS "A" AND "B" ADDED LEFT SIDE VIEW OF ENCLOSURE UPDATED FRONT VIEW OF ENCLOSURE TO SHOW RIGHT HAND HINGE.																					
		X2	- ADDED SHEET ADDED SUBPLATE AND GROUND TERMINAL STRIP.																					
		Х3	- ADDED SHEET. - ADDED PANEL FOOTPRINT.																					
		YZ1	- UPDATED DEVICE LIST.																					
		A1	- DRAWING PACKAGE WAS REVISION LEVEL B.	2011-03-24	С	MDS	]		i [		i   '			11	1	11	1							
		A2	- UPDATED TABLE OF CONTENTS.																					
		A3	- UPDATED REVISION NOTES.																					
		X1	- UPDATED PANEL REVISION TAG.	_																				
		Х3	- UPDATED WORKING SPACE.																					
		YZ1	- UPDATED DEVICE LIST.										CHANGE CODE											
0		A1	- DRAWING PACKAGE REVISION LEVEL WAS 'C' - LAST PART SELECTED DATABASE WAS 'GM_EPARTSDB_201012'	2016-04-01	С	ВЈ							PR PRODUCT CHANGE R PLANT REQUEST											
		A2	- REVISION 'D' ADDED TO TABLE OF CONTENTS	7									MP MECHANICAL PROCESS CHANGE											
	F	A3	- REVISION NOTE 'D' ADDED	1									CP CONTROL PROCESS CHANGE											
E	E	A1	- DRAWING PACKAGE REVISION LEVEL WAS 'D' - LAST PART SELECTED DATABASE WAS 'GM_EPARTSDB_201512' - DESIGN LEADER WAS 'BILL LAMBERT'	2017-04-11	С	ВЈ							M MECHANICAL DESIGN CHANGE C CONTROL DESIGN CHANGE											
		A2	- REVISION 'E' ADDED TO TABLE OF CONTENTS	1									F FLOOR AND BUILD CHANGE											
_							J	l	1		I	<u> </u>	CHANGE											
			GM ENGINEER: DESIGN SOURCE: DESIGN LEADER: PROGR			P REMOTE [		NECT	SYSTEM/TOOL NO:			LEASE DATE:	REVISION SECTION SHEET											
M	GM	1 - STAN	NDARD HARDWARE KRISTINE		TION: JUN	ICTION BOX	X		DRAWING NUMBER:		20	006-03-03	LETTER: NUMBER: F DATE:   A  A  A  A  A  A  A  A  A  A  A  A  A											
S MATE	RIAL IS	S THE PROPERT	TEAM BOETTGE TY OF GENERAL MOTORS CORPORATION. NO RIGHTS ARE GRANTED TO	DESCRIP	TION: KEV	ISION SUM	TIMAKY	SHEET	ECS-4830				DATE: 2020-08-27 A 3 OF 3											

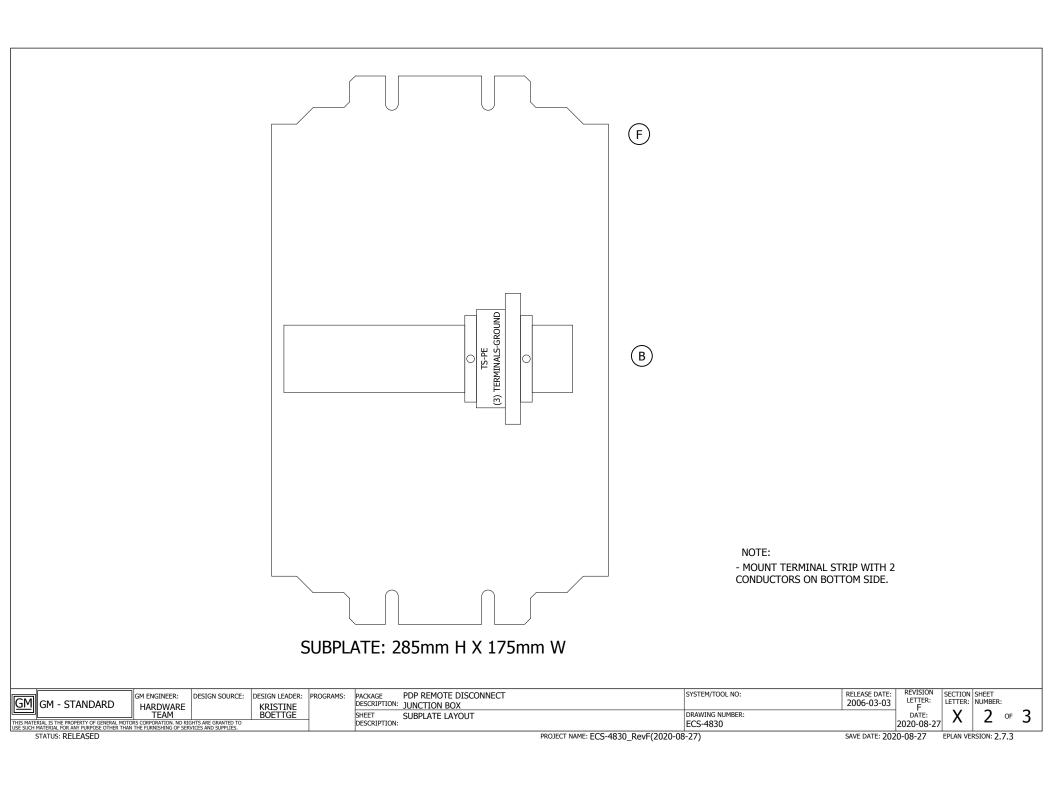
SHEET DESCRIPTION: REVISION SUMMARY SHEET

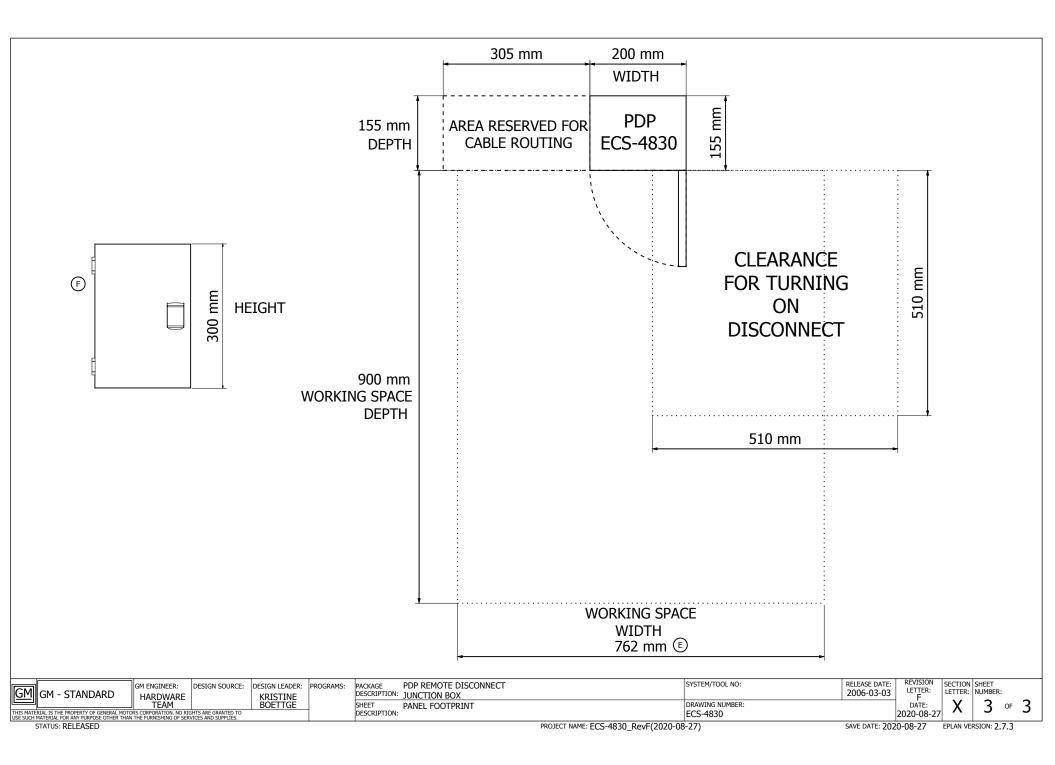
DRAWING NUMBER: ECS-4830

2020-08-27









REV	ITEM NUMBER	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY	REV	ITEM NUMBER	CHANGE DESCRIPTION	DATE	CHANGE CODE	CHANGED BY		
Α		-SHEET DESCRIPTION WAS 'BOM DETAILS: ECS-4830-BOM'.	2007-01-18	СР	DN	F	75140	PART NUMBER CHANGED FROM SZ 2464.000 TO 2464000.	2020-08-27	С	SK		
	15800	- UPDATED PART DESCRIPTIONS ON SHEET YA AND YB.					75173	ADDED ITEM.					
	75130	- ADDED			i		75240	ADDED ITEM.					
	75140	- ADDED					75130	REMOVED ITEM. QTY WAS 1.					
В	12255	- ADDED ITEM, REPLACED ITEM 12256.	2007-10-11	С	MAW		75150	REMOVED ITEM. QTY WAS 1.					
	12256	- REMOVED ITEM, REPLACED BY ITEM 12255.	<del>-</del>				75200	REMOVED ITEM. QTY WAS 1.					
	12702	- ADDED ITEM.	7				75803	REMOVED ITEM. QTY WAS 1.					
	12703	- ADDED ITEM.											
	12709	- ADDED ITEM.											
	12711	- ADDED ITEM.											
	12712	- ADDED ITEM.											
	12716	- ADDED ITEM.											
	12717	- ADDED ITEM.											
	75120	- ADDED ITEM.											
	75303	- ADDED ITEM.											
	75304	- ADDED ITEM.											
	75600	- ADDED ITEM.											
	75603	- ADDED ITEM.											
С		- UPDATED PURCHASE CODES.	2011-03-24	С	MDS								
		- UPDATED TO GM_EPARTSDB_201012.											
D	ALL	UPDATED PURCHASE CODES.	2016-04-01	С	ВЈ								
	75200	PART NUMBER CHANGED FROM AE1035.500 TO 1035.500.											
	75803	PART NUMBER CHANGED FROM ESSW1-050 TO 60202 5-1768031-0.											
Е	12504	ADDED ITEM.	2017-04-11	С	ВЈ								
	75600	CHANGED QTY FROM 1 TO 2.											
	12506	ADDED ITEM.											
	12630	ADDED ITEM.											
	12654	ADDED ITEM.	_										
	12656	ADDED ITEM.	_									CHANGE CO	
	12255	REMOVED ITEM. QTY WAS 1.	_									PR   PRODUCT CHAN	
	12257	REMOVED ITEM. QTY WAS 1.	_										
	75303	REMOVED ITEM. QTY WAS 0.	_									CHANGE	
	75304	REMOVED ITEM. QTY WAS 0.	_									CP CONTROL PROC	
	75603	REMOVED ITEM. QTY WAS 1.										MECHANICAL DI CHANGE	
F	12711	PART NUMBER CHANGED FROM 1277060000 TO 1906000000.	2020-08-27	С	SK							C CONTROL DESI	
	75120	PART NUMBER CHANGED FROM 800938 TO 0806602.	_									F FLOOR AND BUI	
	75135	ADDED ITEM.										' CHANGE	
												DEVICTOR	
GI	M - STAI	NDARD GM ENGINEER: DESIGN SOURCE: DESIGN LEADER: PROC HARDWARE KRISTINE	GRAMS: PACKAGE DESCRIP	PDF	P REMOTE D NCTION BOX	DISCON (	INECT	SYSTEM/TOOL NO:			LEASE DATE: 006-03-03	REVISION SECTION SH LETTER: NU	
4		TEAM BOETTGE TY OF GENERAL MOTORS CORPORATION, NO RIGHTS ARE GRANTED TO UNPOSE OTHER THAN THE FUNKSHING OF SERVICES AND SUPPLIES.	SHEET DESCRIP	BOI	M CHANGE S	SHEET:	ECS-483	0-BOM DRAWING NUMBER: ECS-4830				DATE: 2020-08-27	

## BOM NAME: ECS-4830-BOM

SOURCE **LEGEND** 

F - FURNISHED BY GM

M - CONSTRUCTION SOURCE MAKE ITEM REF - PURCHASED BY OTHERS (NO SUBSTITUTION)

B1 - PURCHASE ITEM OR EQUIVALENT ITEM (GM APPROVAL NOT REQUIRED)
B2 - PURCHASE ITEM (SUBSTITUTION REQUIRES GM APPROVAL) -INTERCHANGEABLE COMPONENT
B3 - PURCHASE ITEM (SUBSTITUTION REQUIRES GM APPROVAL) -NOT AN INTERCHANGEABLE COMPONENT

B4 - PURCHASE ITEM (NO SUBSTITUTION)

NOTE: '-N' SUFFIX ON SOURCE CODE DENOTES AN ITEM THAT IS NOT REQUIRED TO BE STOCKED AS SPARE BY THE PLANT.

				NOTE: '-N' SUFFIX ON SOURCE CO	DE DENOTES AN TIEM THAT IS NO	I KLQUIKLD	TO BE STOCKED AS	SFARE DI IIIE FLANT.
REV	ITEM NUMBER	QUANTITY	PART DESCRIPTION	MANUFACTURER	PART NUMBER	SOURCE	GCCL REFERENCE	COMMENTS
	12504	1	INDICATOR LIGHT, 22 MM, ROUND, METAL, SHINY, GREEN, SMOOTH LENS	SIEMENS	3SU1051-6AA40-0AA0	В3		
	12506	1	INDICATOR LIGHT, 22MM, ROUND, METAL, SHINY, WHITE, SMOOTH LENS	SIEMENS	3SU1051-6AA60-0AA0	В3		
	12630	2	HOLDER FOR 3 MODULES, METAL	SIEMENS	3SU1550-0AA10-0AA0	В3		
	12654	1	LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, GREEN, SPRING-TYPE TERMINAL, FOR MOUNTING	FRONT PLATE SIEMENS	3SU1401-1BH40-3AA0	В3		
	12656	1	LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, WHITE, SPRING-TYPE TERMINAL, FOR MOUNTING	FRONT PLATE SIEMENS	3SU1401-1BH60-3AA0	В3		
	12702	0 A/R	BLOCK, TERMINAL, JUMPERS, 2 POLE, ZQV 2.5/2, TOP MOUNT, 5 mm, FOR ZDU 2.5-2/3AN 170	5010000 WEIDMULLER	1608860000	B2-N		
	12703	0 A/R	BLOCK, TERMINAL, MARKING TAG, WS 12/5, 12 X 5 mm, FOR ZDU 2.5-2/3AN 1706010000	WEIDMULLER	1609860000	B2-N		
	12709	1	BLOCK, TERMINAL, END BARRIER, FOR ZDU 6-2/3AN 1771410000, BEIGE	WEIDMULLER	1771440000	B2-N		
	12711	0 A/R	BLOCK, TERMINAL, MARKING TAG, WS 12/8, 12 X 8 mm, FOR ZDU 6-2/3AN 1771410000	WEIDMULLER	1906000000	B2-N		
	12712	2	BLOCK, TERMINAL, END ANCHORS - DIN RAIL, EW 35, BEIGE	WEIDMULLER	0383560000	B2-N		
	12716	2	BLOCK, TERMINAL, SPRING CLAMP, GROUND, 600 V, ZPE 2.5-2/3AN, 26 - 12 AWG, 0.5 - 2.5 mr SAFE, 3 POLE SINGLE CIRCUIT, 5 mm, GREEN-YELLOW	n², FINGER WEIDMULLER	1706090000	B2-N		
	12717	1	BLOCK, TERMINAL, SPRING CLAMP, GROUND, 600 V, ZPE 6-2/3AN, 22- 8 AWG, 0.5 - 10 mm², F POLE SINGLE CIRCUIT, 8 mm, GREEN-YELLOW	INGER SAFE, 3 WEIDMULLER	1771360000	B2-N		
	75120	0 A/R	STANDARD MOUNTING RAIL 35X27X15,1.5mm THICK, 2 METERS LONG	PHOENIX	0806602	B1-N		
	75135	1	WALL MOUNTING BRACKET FOR AX CARBON STEEL, KX CARBON STEEL, 15 mm WALL DISTANC CONTAINS (4) BRACKETS	E, PACKAGE RITTAL OR EQUIVALENT	2508020	B1-N		
	75140	1	SCREWDRIVER LOCK INSERT FOR EB, AE, AX, KX, L=27 mm	RITTAL OR EQUIVALENT	2464000	B1-N		
	75173	2	GROUNDING STRAP, 4 mm² X 300 mm LONG WITH 8 mm HOLES, FOR BONDING OF AX ENCLO	SURES RITTAL OR EQUIVALENT	2567000	B1-N		
	75240	1	KX SMALL HOUSING E-BOX, SINGLE DOOR, ONE CAM LOCK, RAL7035 GRAY, 300 mm H X 200 nmm D, INCLUDES GALVANIZED (UNPAINTED) SUB PLATE 285 mm H X 175 mm W	nm W X 155 RITTAL OR EQUIVALENT	1574000	B1-N		
	75600	2	HOLE PLUG, 22.5mm DIAMETER	SIEMENS	3SB3921-0AA	B1-N		
	75804	0 A/R	TAGS, FOR PUSHBUTTONS & LIGHTS, 48mm X 48MM, WITH 4mm (0.15 INCH) (16PT) FONT, BL WHITE BACKGROUND	ACK TEXT ON CUSTOM	GENERIC TAG - PBPL	M-N		
	75805	0 A/R	TAGS, PANEL, STICK ON OR LAMICOID, MINIMUM FONT SIZE - 5mm (20PT)	CUSTOM	GENERIC TAG - PANEL	M-N		
	81303	1	SWITCH, MAIN CONTROL SWITCH 3-POLE, ROTARY, 25 AMP, 4 HOLE MOUNT, KIT INCLUDES S HANDLE, SHAFT, AND AUXILIARY CONTACTS (1NO AND 1 NC), BLACK HANDLE	WITCH, SIEMENS	3LD2103-1TP51	В3		

GM - STANDARD	GM ENGINEER: HARDWARE TEAM	DESIGN SOURCE
THIS MATERIAL IS THE PROPERTY OF GENERAL MOTO USE SUCH MATERIAL FOR ANY PURPOSE OTHER THAN		

DESIGN SOURCE: KRISTINE BOETTGE

DESIGN LEADER: PROGRAMS:

PDP REMOTE DISCONNECT PACKAGE DESCRIPTION: JUNCTION BOX ECS-4830-BOM DESCRIPTION:

SYSTEM/TOOL NO: DRAWING NUMBER: ECS-4830

REVISION LETTER: F RELEASE DATE: 2006-03-03 DATE: 2020-08-27

SECTION SHEET LETTER: NUMBER:

## **DEVICE LIST**

DEVICE TAG	ITEM NUMBER	QTY	DESCRIPTION	MANUFACTURER PART NUMBER		
E104DISC	81303	1	SWITCH, MAIN CONTROL SWITCH 3-POLE, ROTARY, 25 AMP, 4 HOLE MOUNT, KIT INCLUDES SWITCH, HANDLE, SHAFT, AND AUXILIARY CONTACTS (1NO AND 1 NC), BLACK HANDLE	SIEMENS 3LD2103-1TP51		
E118LT PRESS 380-575 V POWER OFF	12506	1	INDICATOR LIGHT, 22MM, ROUND, METAL, SHINY, WHITE, SMOOTH LENS	SIEMENS 3SU1051-6AA60-0AA0		
TOWERON	12630	1	HOLDER FOR 3 MODULES, METAL	SIEMENS 3SU1550-0AA10-0AA0		
	12656	1	LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, WHITE, SPRING-TYPE TERMINAL, FOR FRONT PLATE MOUNTING	SIEMENS 3SU1401-1BH60-3AA0		
E126LT PROCESSOR POWER ON	12504	1	INDICATOR LIGHT, 22 MM, ROUND, METAL, SHINY, GREEN, SMOOTH LENS	SIEMENS 3SU1051-6AA40-0AA0		
	12630	1	HOLDER FOR 3 MODULES, METAL	SIEMENS 3SU1550-0AA10-0AA0		
	12654	1	LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, GREEN, SPRING-TYPE TERMINAL, FOR FRONT PLATE MOUNTING	SIEMENS 3SU1401-1BH40-3AA0		
MP MOUNTING PANEL	12712	2	BLOCK, TERMINAL, END ANCHORS - DIN RAIL, EW 35, BEIGE	WEIDMULLER 0383560000		
	75120	0 A/R	STANDARD MOUNTING RAIL 35X27X15,1.5mm THICK, 2 METERS LONG	PHOENIX 0806602		
	75140	1	SCREWDRIVER LOCK INSERT FOR EB, AE, AX, KX, L=27 mm	RITTAL OR EQUIVALEN 2464000		
	75135	1	WALL MOUNTING BRACKET FOR AX CARBON STEEL, KX CARBON STEEL, 15 mm WALL DISTANCE, PACKAGE CONTAINS (4) BRACKETS	RITTAL OR EQUIVALEN 2508020		
	75173	2	GROUNDING STRAP, 4 mm² X 300 mm LONG WITH 8 mm HOLES, FOR BONDING OF AX ENCLOSURES	RITTAL OR EQUIVALEN 2567000		
	75240	1	KX SMALL HOUSING E-BOX, SINGLE DOOR, ONE CAM LOCK, RAL7035 GRAY, 300 mm H X 200 mm W X 155 mm D, INCLUDES GALVANIZED (UNPAINTED) SUB PLATE 285 mm H X 175 mm W	RITTAL OR EQUIVALEN 1574000		
	75600	2	HOLE PLUG, 22.5mm DIAMETER	SIEMENS 3SB3921-0AA		
	75804	0 A/R	TAGS, FOR PUSHBUTTONS & LIGHTS, 48mm X 48MM, WITH 4mm (0.15 INCH) (16PT) FONT, BLACK TEXT ON WHITE BACKGROUND	CUSTOM GENERIC TAG - PBPL		
	75805	0 A/R	TAGS, PANEL, STICK ON OR LAMICOID, MINIMUM FONT SIZE - 5mm (20PT)	CUSTOM GENERIC TAG - PANEL		

DEVICE TAG	ITEM NUMBER	QTY	DESCRIPTION	MANUFACTURER PART NUMBER
	INUMBER	1 -		I PART NUMBER

GM GM - STANDARD	GM ENGINEER: HARDWARE	DESIGN SOURCE:	DESIGN LEADER: KRISTINE	PROGRAMS:	PACKAGE DESCRIPTION:	PDP REMOTE DISCONNECT JUNCTION BOX	SYSTEM/TOOL NO:	RELEASE DATE: 2006-03-03	REVISION LETTER: F	SECTION :		
THIS MATERIAL IS THE PROPERTY OF GENERAL MOUSE SUCH MATERIAL FOR ANY PURPOSE OTHER TH	TEAM OTORS CORPORATION, NO RE	GHTS ARE GRANTED TO VICES AND SUPPLIES.	BOETTGE		SHEET DESCRIPTION:	DEVICE LIST	DRAWING NUMBER: ECS-4830		DATE: 2020-08-27	YZ	1 (	of <b>1</b>