

PDP REMOTE DISCONNECT
JUNCTION BOX

ECS-4830

DEF

LAST PART SELECTED WITH: GM_ePartsDB_202006

DRAWING PACKAGE REVISION LEVEL: F

GM - STANDARD		GM ENGINEER: HARDWARE TEAM	DESIGN SOURCE:	DESIGN LEADER: KRISTINE BOETTGE	PROGRAMS:	PACKAGE DESCRIPTION: PDP REMOTE DISCONNECT JUNCTION BOX	SYSTEM/TOOL NO:	RELEASE DATE: 2006-03-03	REVISION LETTER: F	SECTION LETTER: A	SHEET NUMBER: 1 OF 3
THIS MATERIAL IS THE PROPERTY OF GENERAL MOTORS CORPORATION. NO RIGHTS ARE GRANTED TO USE SUCH MATERIAL FOR ANY PURPOSE OTHER THAN THE FURNISHING OF SERVICES AND SUPPLIES.						SHEET DESCRIPTION: TITLE AND REFERENCE SHEET	DRAWING NUMBER: ECS-4830	DATE: 2020-08-27			

STATUS: RELEASED

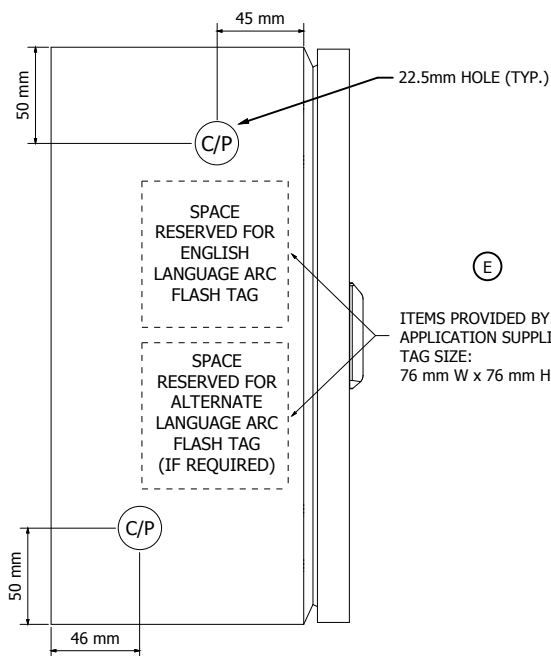
PROJECT NAME: ECS-4830_RevF(2020-08-27)

SAVE DATE: 2020-08-27

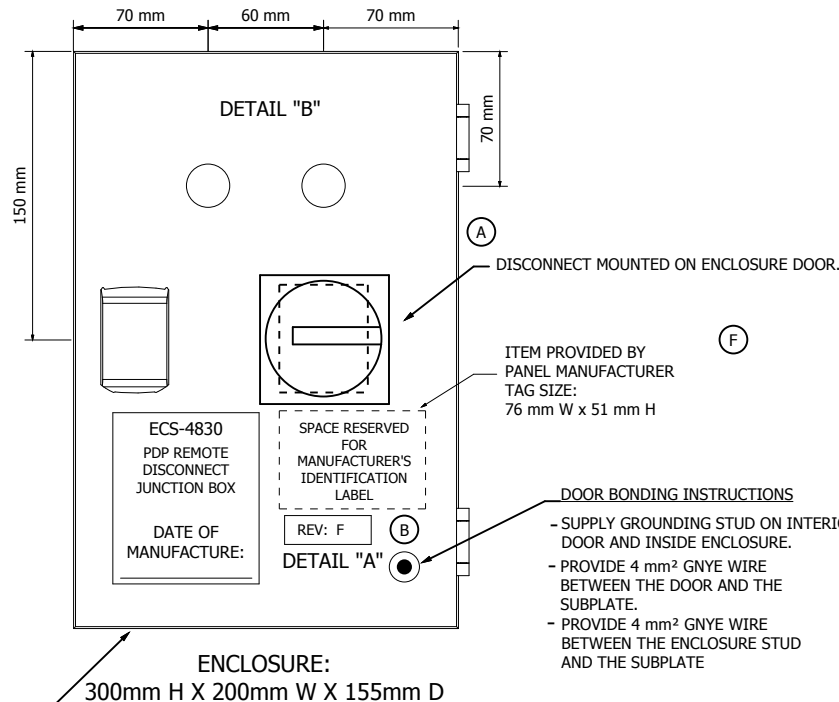
EPLAN VERSION: 2.7.3

SECTION	REV	SHEET	DESCRIPTION
A	REFERENCE	F 1	TITLE AND REFERENCE SHEET
		F 2	TABLE OF CONTENTS
		F 3	REVISION SUMMARY SHEET
E	MAGNETICS	B 1	MAGNETICS
X	ENCLOSURE	F 1	ENCLOSURE LAYOUT
		F 2	SUBPLATE LAYOUT
		F 3	PANEL FOOTPRINT
YA	BILL OF MATERIALS	F 1	BOM CHANGE SHEET: ECS-4830-BOM
		F 2	ECS-4830-BOM
YZ	DEVICE LIST	F 1	DEVICE LIST

SECTION	REV	SHEET	DESCRIPTION
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LEFT SIDE VIEW



ENCLOSURE:
300mm H X 200mm W X 155mm D

GLAND PLATE SHOWN REPRESENTS RITTAL PART NUMBER ON BOM.
IF ALTERNATE ENCLOSURE SOURCE IS USED,
GLAND PLATE IS NOT REQUIRED.

DETAIL "A"

ECS-4830
PDP REMOTE
DISCONNECT
JUNCTION BOX

TAG SIZE:
76mm W X 89mm H

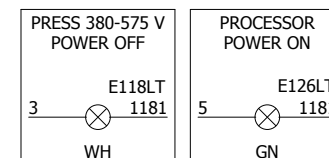
TAG SIZE:
45mm W X 15mm H

REV: F

DOOR BONDING INSTRUCTIONS

- SUPPLY GROUNDING STUD ON INTERIOR OF DOOR AND INSIDE ENCLOSURE.
- PROVIDE 4 mm² GNYE WIRE BETWEEN THE DOOR AND THE SUBPLATE.
- PROVIDE 4 mm² GNYE WIRE BETWEEN THE ENCLOSURE STUD AND THE SUBPLATE

DETAIL "B"



TOP OF ENCLOSURE (SIDE MOUNTED)
OR
FRONT OF ENCLOSURE (TOP/BOTTOM MOUNTED)

KEY POSITION OF RECEPTACLE
TYPICAL FOR ALL

NOTES:

- ENCLOSURE TO BE CONSTRUCTED TO CURRENT GCCB-1 AND GCCH-1 STANDARDS.
- INCLUDE A COPY OF THIS DRAWING PACKAGE INSIDE THE ENCLOSURE.
- PROVIDE A TAG WITH RECEPTACLE NAME ON THE INSIDE AND OUTSIDE OF THE ENCLOSURE FOR EACH RECEPTACLE.
- ALL TAGS TO BE WHITE WITH BLACK LETTERING UNLESS NOTED OTHERWISE.



GM - STANDARD

GM ENGINEER:
HARDWARE
TEAM

DESIGN SOURCE:

DESIGN LEADER:
KRISTINE
BOETTGE

PROGRAMS:

PACKAGE DESCRIPTION: PDP REMOTE DISCONNECT
JUNCTION BOX

SHEET DESCRIPTION: ENCLOSURE LAYOUT

SYSTEM/TOOL NO:

RELEASE DATE:
2006-03-03

REVISION
LETTER: F
DATE:
2020-08-27

SECTION
LETTER: X

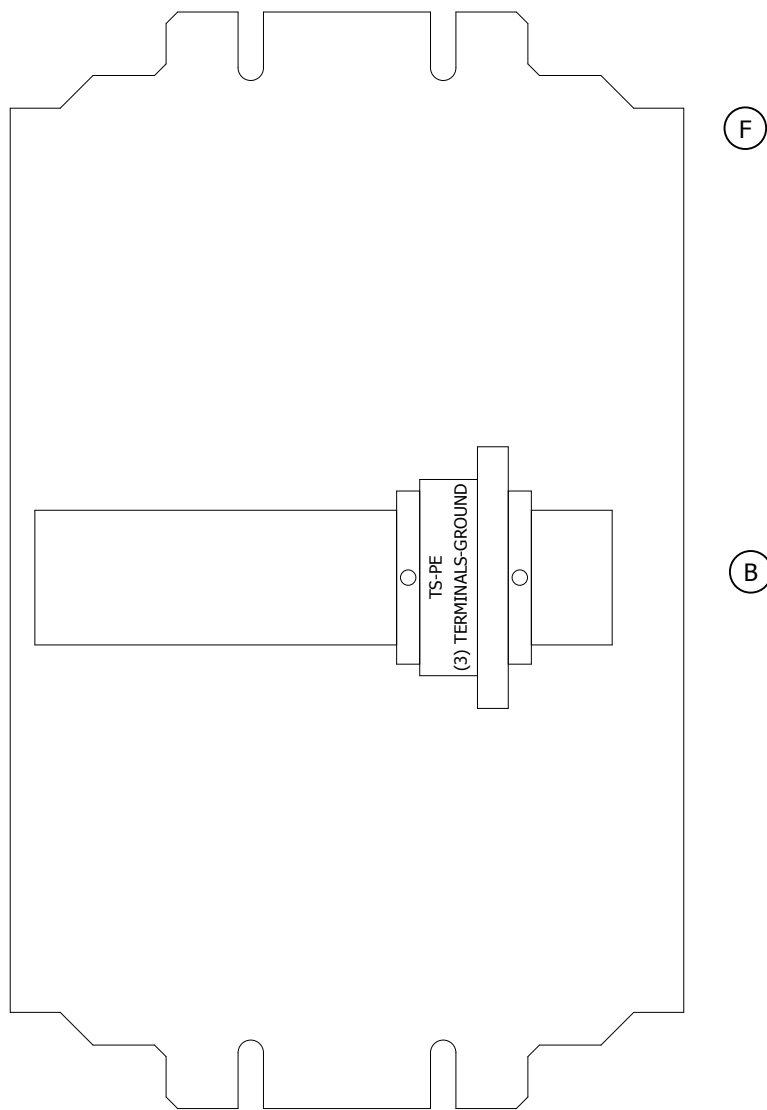
SHEET
NUMBER:
1 OF 3

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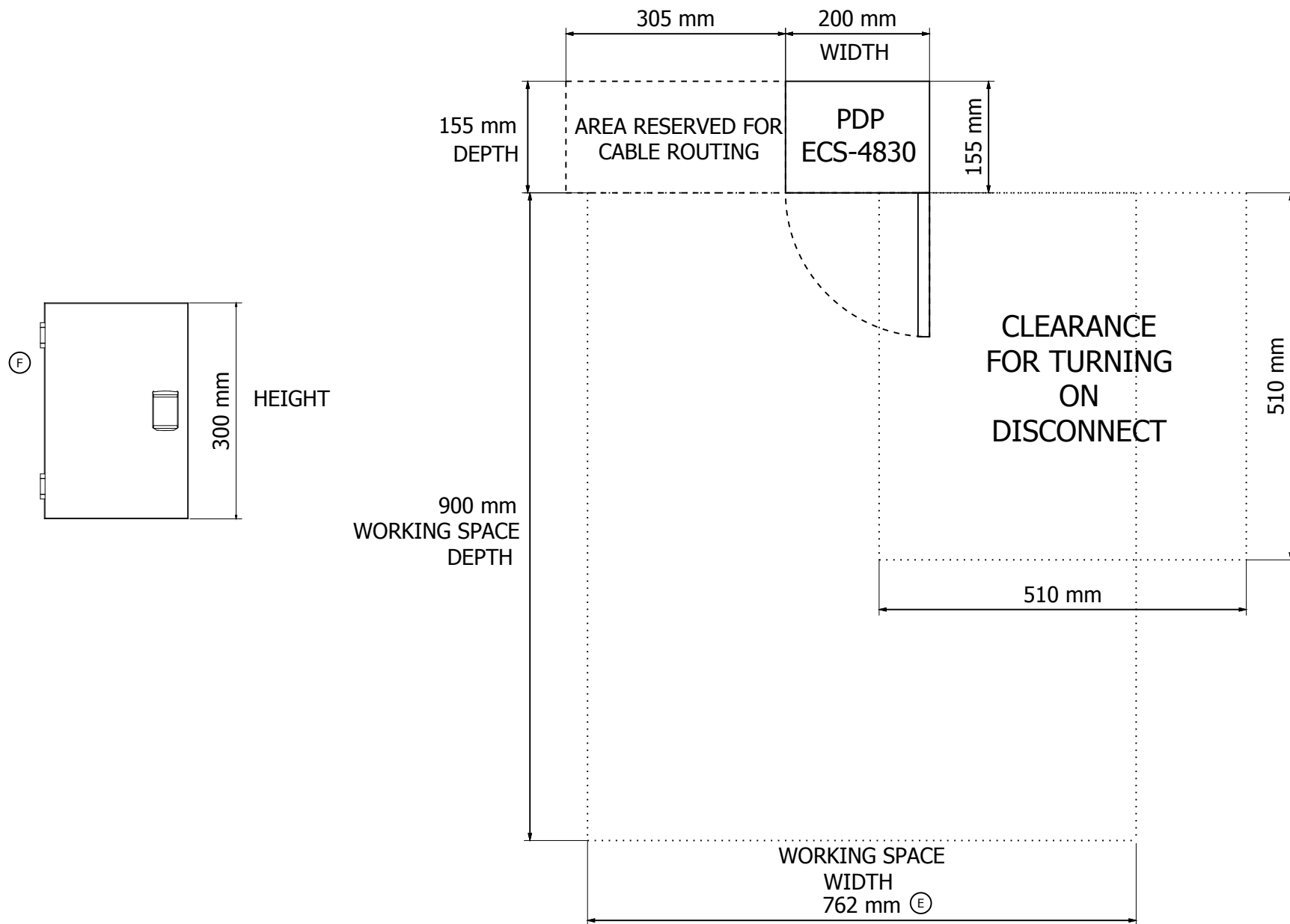
EPLAN VERSION: 2.7.3



NOTE:
- MOUNT TERMINAL STRIP WITH 2
CONDUCTORS ON BOTTOM SIDE.

SUBPLATE: 285mm H X 175mm W

	GM - STANDARD	GM ENGINEER: HARDWARE TEAM	DESIGN SOURCE:	DESIGN LEADER: KRISTINE BOETTGE	PROGRAMS:	PACKAGE DESCRIPTION: PDP REMOTE DISCONNECT JUNCTION BOX	SYSTEM/TOOL NO:	RELEASE DATE: 2006-03-03	REVISION LETTER: F DATE: 2020-08-27	SECTION LETTER: X	SHEET NUMBER: 2 OF 3
						SHEET DESCRIPTION: SUBPLATE LAYOUT	DRAWING NUMBER: ECS-4830				
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STATUS: RELEASED					PROJECT NAME: ECS-4830_RevF(2020-08-27)				SAVE DATE: 2020-08-27		EPLAN VERSION: 2.7.3



	GM - STANDARD	GM ENGINEER: HARDWARE TEAM	DESIGN SOURCE:	DESIGN LEADER: KRISTINE BOETTGE	PROGRAMS:	PACKAGE DESCRIPTION: PDP REMOTE DISCONNECT JUNCTION BOX	SYSTEM/TOOL NO:	RELEASE DATE: 2006-03-03	REVISION LETTER: F DATE: 2020-08-27	SECTION LETTER: X	SHEET NUMBER: 3 OF 3
						SHEET DESCRIPTION: PANEL FOOTPRINT	DRAWING NUMBER: ECS-4830				

STATUS: RELEASED

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

SAVE DATE: 2020-08-27

EPLAN VERSION: 2.7.3

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.

BOM 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	B3		
	12506	1	INDICATOR LIGHT, 22MM, ROUND, METAL, SHINY, WHITE, SMOOTH LENS	SIEMENS	3SU1051-6AA60-0AA0	B3		
	12630	2	HOLDER FOR 3 MODULES, METAL	SIEMENS	3SU1550-0AA10-0AA0	B3		
	12654	1	LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, GREEN, SPRING-TYPE TERMINAL, FOR FRONT PLATE MOUNTING	SIEMENS	3SU1401-1BH40-3AA0	B3		
	12656	1	LED MODULE WITH INTEGRATED LED, 24-240V AC/DC, WHITE, SPRING-TYPE TERMINAL, FOR FRONT PLATE MOUNTING	SIEMENS	3SU1401-1BH60-3AA0	B3		
	12702	0 A/R	BLOCK, TERMINAL, JUMPERS, 2 POLE, ZQV 2.5/2, TOP MOUNT, 5 mm, FOR ZDU 2.5-2/3AN 1706010000	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 mm², FINGER SAFE, 3 POLE SINGLE CIRCUIT, 5 mm, GREEN-YELLOW	WEIDMULLER	1706090000	B2-N		
	12717	1	BLOCK, TERMINAL, SPRING CLAMP, GROUND, 600 V, ZPE 6-2/3AN, 22- 8 AWG, 0.5 - 10 mm², FINGER SAFE, 3 POLE SINGLE CIRCUIT, 8 mm, GREEN-YELLOW	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 DISTANCE, PACKAGE CONTAINS (4) BRACKETS	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 ENCLOSURES	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 mm W X 155 mm D, INCLUDES GALVANIZED (UNPAINTED) SUB PLATE 285 mm H X 175 mm W	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, BLACK TEXT ON WHITE BACKGROUND	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 SWITCH, HANDLE, SHAFT, AND AUXILIARY CONTACTS (1NO AND 1 NC), BLACK HANDLE	SIEMENS	3LD2103-1TP51	B3		

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
	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 EQUIVALENT 2464000
	75135	1	WALL MOUNTING BRACKET FOR AX CARBON STEEL, KX CARBON STEEL, 15 mm WALL DISTANCE, PACKAGE CONTAINS (4) BRACKETS	RITTAL OR EQUIVALENT 2508020
	75173	2	GROUNDING STRAP, 4 mm² X 300 mm LONG WITH 8 mm HOLES, FOR BONDING OF AX ENCLOSURES	RITTAL OR EQUIVALENT 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 EQUIVALENT 1574000
	75600	2	HOLE PLUG, 22.5mm DIAMETER	SIEMENS 3SB3921-0AA
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