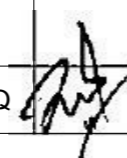
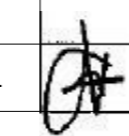
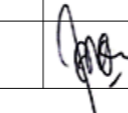
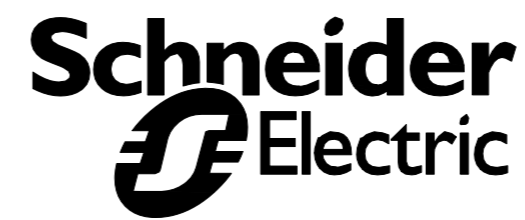
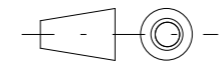


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INDEX	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY
A	11/04/2016	First Issued	RZQ 	MDL 	MZ 

SCALE: NTS



OLD SM6-24 MODULAR
with Internal Arc 12,5kA/1s

SCHNEIDER-ELECTRIC INDONESIA
EJIP PLOT 4B1-4B2 CIKARANG SELATAN
BEKASI 17550-JAWA BARAT
Tel : (62-21) 897 02 03
Fax : (62-21) 897 02 09

SUBJECT :

PANEL TYPE (QM)
24 kV SWITCHGEAR SM6

REFERENCE NUMBER :
F-SM6R-QM-A1

DESCRIPTION :
QM Man 6-3A

		COVER SHEET	
DRAWING NUMBER		SHEET	TOTAL SHEETS
A5157494861-106		1	13

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SCHNEIDER SWITCHBOARD GENERAL DATA

- METAL-ENCLOSED SF6 SWITCHGEAR TYPE OLD SM6
- SF6; CB, SWITCH OR CONTACTOR
- FRONT SIDE CONNECTION FOR HV CABLE
- PAINTING AND SURFACE TREATMENT : SCHNEIDER STANDARD
- PANEL COLOUR : RAL 9003 FOR EXTERNAL SURFACE OF SWTBDR
- INDEX PROTECTION : IP 3X
- 3 PHASE AND EARTH BAR
- INCOMING CABLES : BOTTOM ENTRY
- OUTGOING CABLES : BOTTOM ENTRY
- INTERNAL ARC : 12,5kA-1s
- FIELD DISTRIBUTOR : TOP RESIN SILICON RUBBER
 - BOTTOM ALUMINIUM SILICON RUBBER

ELECTRICAL EQUIPT.

RATED VOLTAGE	(Ur)	<input checked="" type="checkbox"/>	24kV
SERVICE VOLTAGE	(Us)	<input checked="" type="checkbox"/>	20kV
POWER FREQUENCY WITHSTAND VOLTAGE	(Ud)	<input checked="" type="checkbox"/>	50kV
BASIC INSULATION LEVEL	(Up)	<input checked="" type="checkbox"/>	125kV peak
BUSBAR RATING	(Ir)	<input checked="" type="checkbox"/>	630A
THERMAL WITHSTAND (kA-rms)	(Ik)	<input checked="" type="checkbox"/>	14,5kA-1sec
ELECTRO DYNAMIC WITHSTAND (kA-peaks)	(Ip)	<input checked="" type="checkbox"/>	36,5kA-peak
FREQUENCY	(Fr)	<input checked="" type="checkbox"/>	50Hz

AUXILIARY SUPPLY

V HEATER	<input checked="" type="checkbox"/>	220VAC, 50Hz
V CONTROL TRIPPING COIL 1	<input checked="" type="checkbox"/>	220VAC, 50Hz
V CONTROL TRIPPING COIL 2	<input checked="" type="checkbox"/>	-
V CONTROL UNDER VOLTAGE RELEASE	<input checked="" type="checkbox"/>	-
V CONTROL CLOSING COIL / ANTIPUMPING	<input checked="" type="checkbox"/>	-
V CONTROL MOTOR	<input checked="" type="checkbox"/>	-
V CONTROL PROTECTION	<input checked="" type="checkbox"/>	-
V CONTROL METERING	<input checked="" type="checkbox"/>	-
V CONTROL COMMUNICATION	<input checked="" type="checkbox"/>	-
V CONTROL TVS III	<input checked="" type="checkbox"/>	-

CONTROL / AUX. WIRING (STANDARD)

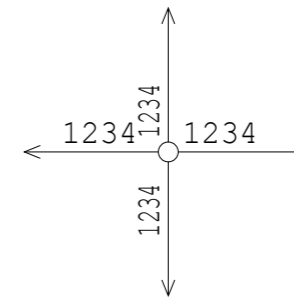
CURRENT CIRCUIT/ (FROM CT) / COLOUR	<input type="checkbox"/> 2.5SQMM PHASE: L1/RED; L2/YELLOW; L3/BLACK NEUTRAL/GREEN
AC VOLTAGE CIRCUIT / (FROM VT) / COLOUR	<input type="checkbox"/> 1.5SQMM PHASE: L1/RED; L2/YELLOW; L3/BLACK NEUTRAL/BLUE
DC VOLTAGE CIRCUIT	<input type="checkbox"/> 1.5SQMM; +/BLACK; -/BLACK
AC CONTROL CIRCUIT / COLOUR	<input type="checkbox"/> 1.5SQMM; PHASE/BLACK; NEUTRAL/BLACK
GROUND	<input type="checkbox"/> 2.5SQMM; GREEN-YELLOW

DEVICE LETTER CODE

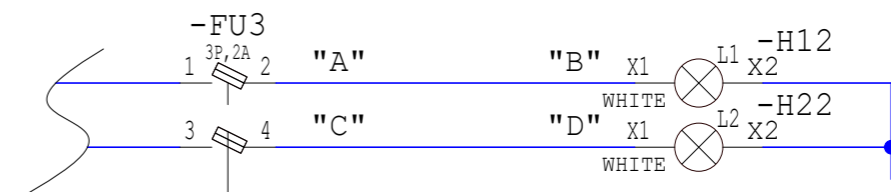
B	THERMOSTAT
C	CAPACITOR
E	HEATING DEVICE
F	PROTECTIVE DEVICE (PROTECTION RELAY, FUSE)
G	GENERATOR
H	SIGNALLING DEVICE (INDICATOR LIGHT)
K	RELAY
M	MOTOR
P	MEASURING DEVICE (AMMETER, VOLTMETER,)
Q	MECHANICAL SWITCHING DEVICE (CIRCUIT BREAKER, ISOLATOR)
R	RESISTOR
S	SWITCH (CONTROL SWITCH, PUSHBUTTONS)
T	TRANSFORMER
U	TRANSDUCER
V	DIODE
X	LINK, TERMINAL

CABLE MARKER

FITTING STYLE OF WIRE MARK
 Letters are read from the side of termination

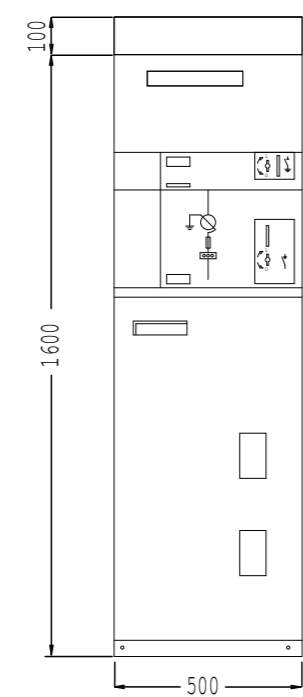
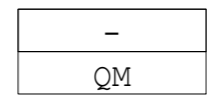


NOTE FOR CABLE MARKER : SAMPLE COMPARTMENT FI-1

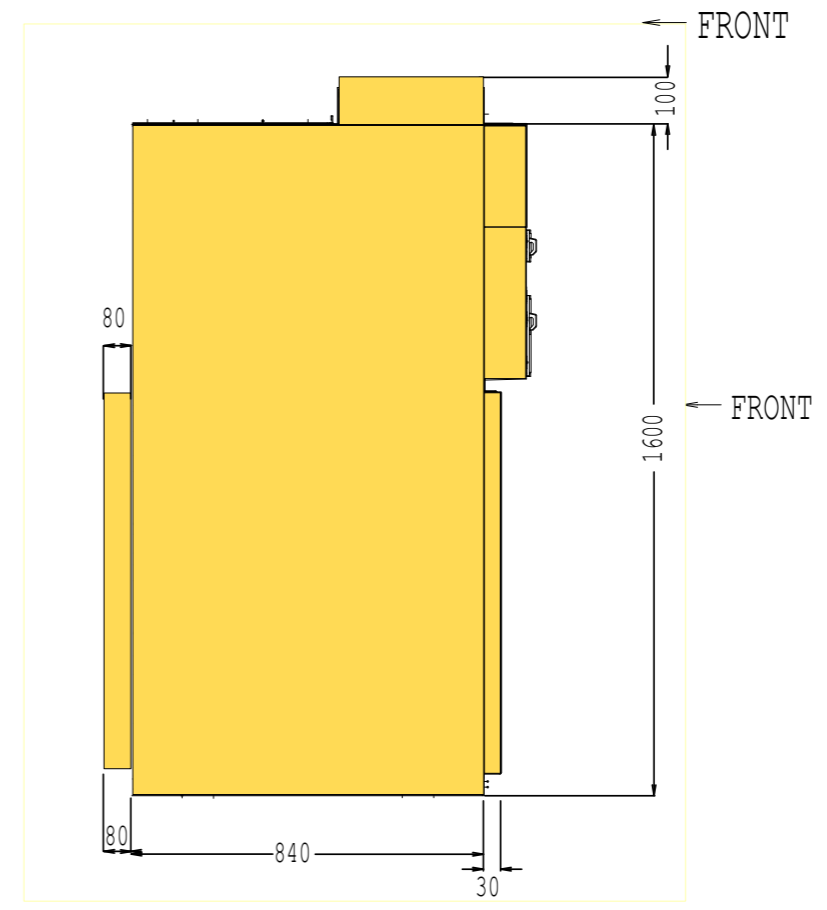
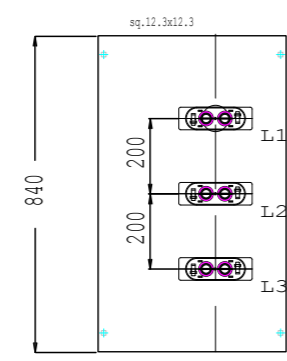


"A" : -FU3/2
 "B" : -H12/X1
 "C" : -FU3/4
 "D" : -H22/X1

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CABLES ACCESS AND FIXING HOLES



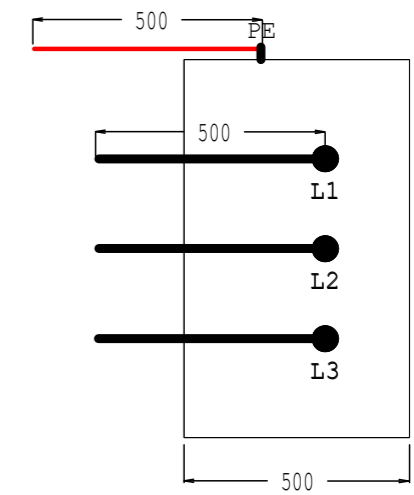
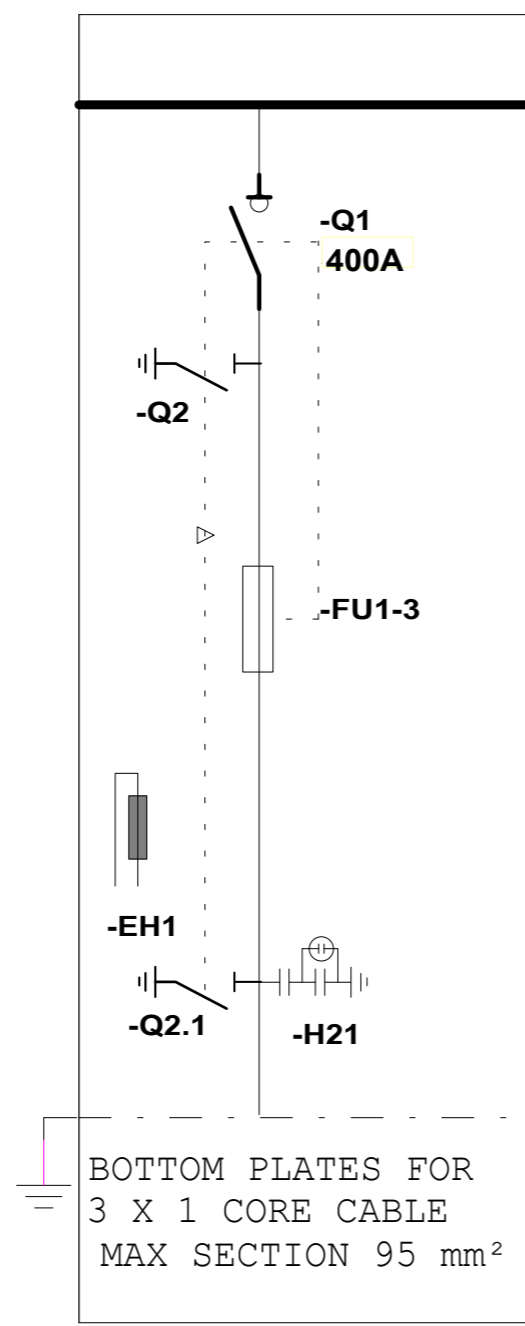
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				PANEL TYPE (QM) 24 KV SWITCHGEAR SM6				FRONT VIEW AND CIVIL WORKS		Drawing Nr: A5157494861-106		Sheet 4		Total Sh. 13
A	First Issued	11/04/2016	RZQ											
Index	Description	Date	Name	Origin	Repl. f.	Repl. by								

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TYPE OF PANEL

QM

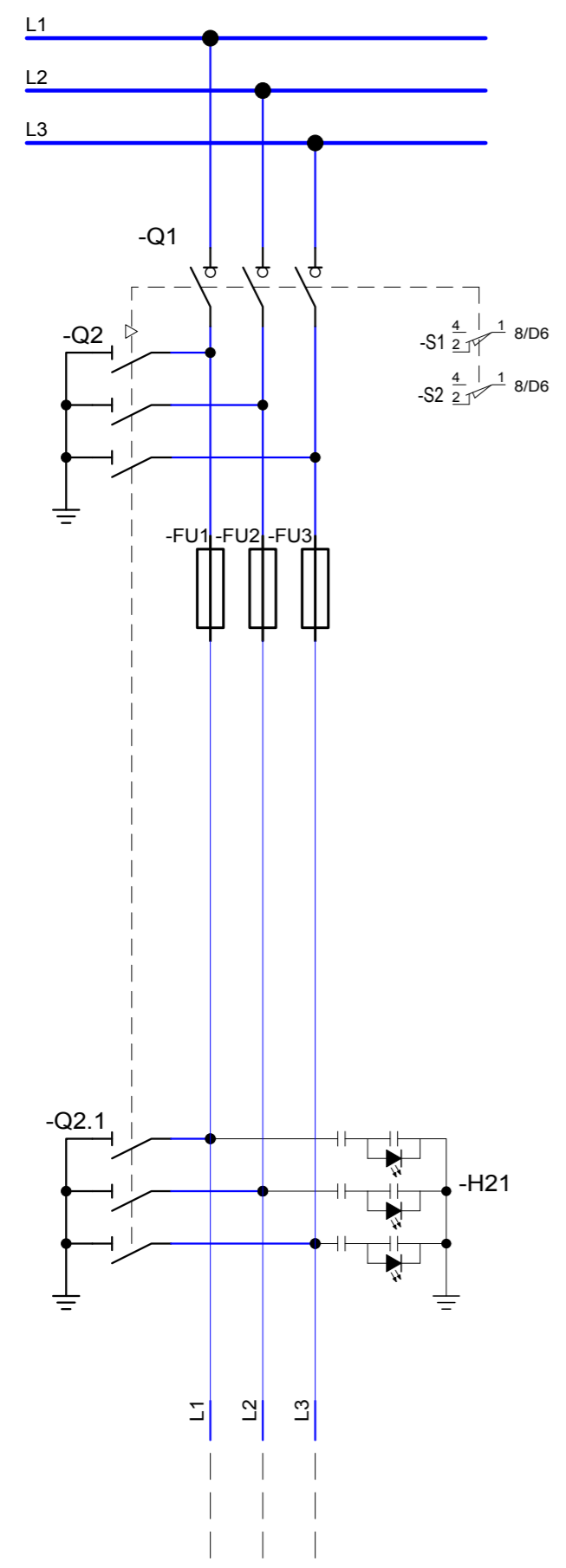
QM




FACTORY NO.	-
(L1-L2-L3) BUSBAR L = 500mm	1 SET
(L1-L2-L3) FIELD DISTRIBUTOR	3 PCS
(PE) EARTHING BAR L = 500mm	1 PC
SIDE PLATE	1 PC
END PLATE	-
OPERATING HANDLE	1 PC

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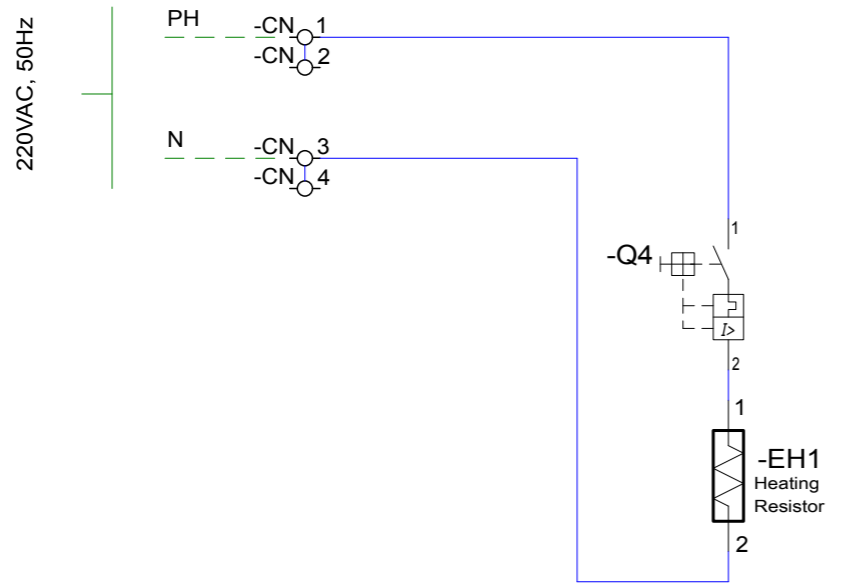
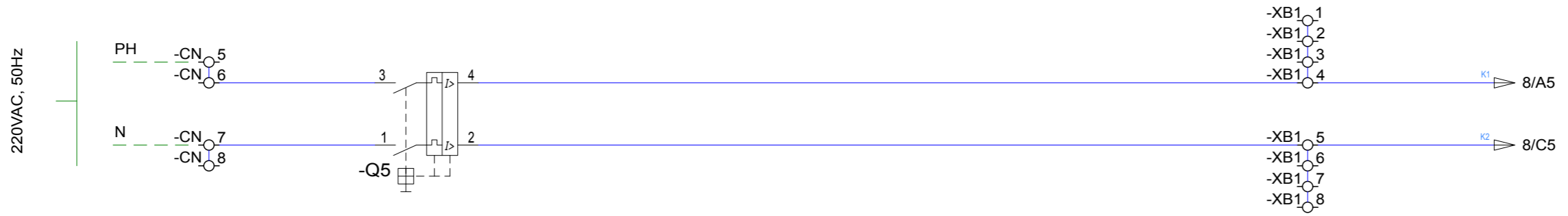
POWER CIRCUIT



				Subject:			Title:	POWER CIRCUIT		Order Nr:	=Fx
				PANEL TYPE (QM) 24 kV SWITCHGEAR SM6					Drawing Nr:	A5157494861-106	
A	First Issued	11/04/2016	RZQ	Origin	Repl. f.	Repl. by				Total Sh.	13

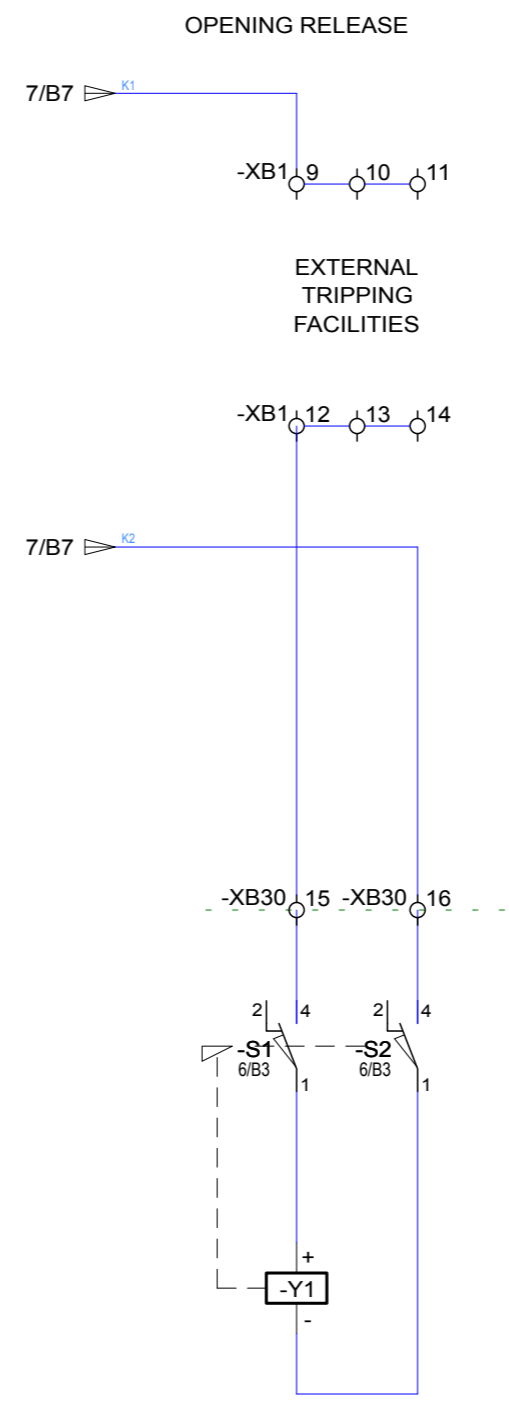
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EXTERNAL SUPPLY



Subject: PANEL TYPE (QM) 24 KV SWITCHGEAR SM6				Schneider Electric		Title: AUXILIARY SUPPLIES		Order Nr: =Fx	
A	First Issued	11/04/2016	RZQ					Drawing Nr: A5157494861-106	
Index	Description	Date	Name	Origin	Repl. f.	Repl. by			Sheet 7 Total Sh. 13

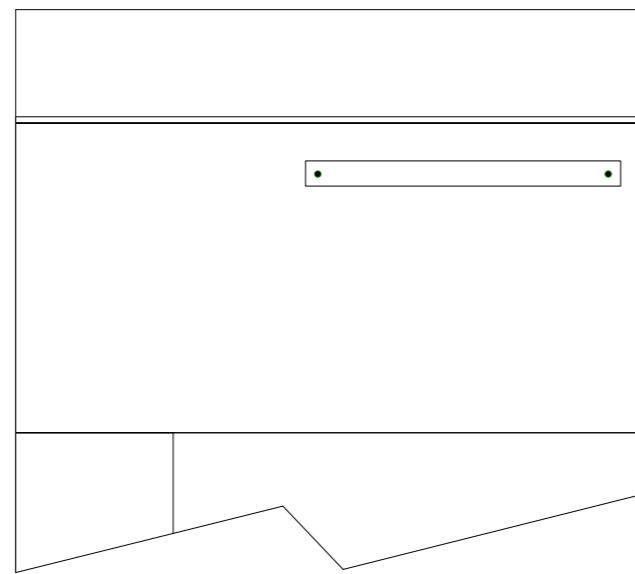
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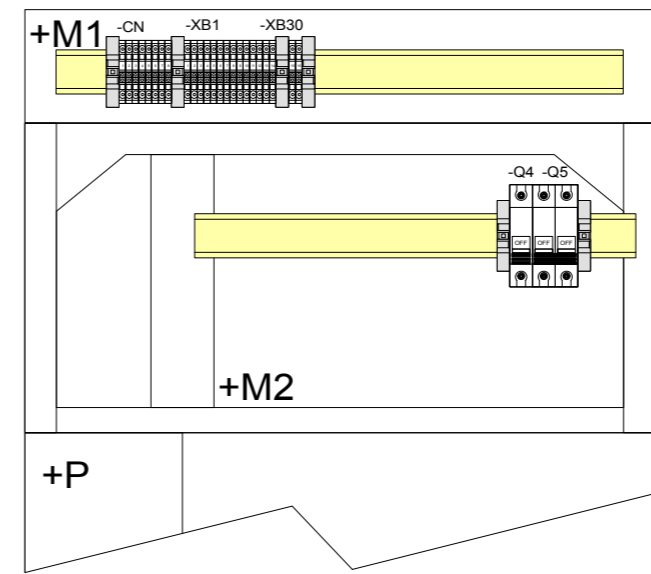
				Subject:				Title:		Order Nr:		=Fx	
				PANEL TYPE (QM) 24 kV SWITCHGEAR SM6				CONTROL CIRCUIT		Drawing Nr: A5157494861-106		Sheet 8	
A	First Issued	11/04/2016	RZQ	Origin		Repl. by							
Index	Description	Date	Name	Origin		Repl. f.		Repl. by					

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FRONT VIEW



FRONT VIEW
(Door & Cover removed)



NOTE :
QTY OF TERMINALS AND JUMPERS
PLEASE REFER TERMINATION DIAGRAM

				Subject:				Title:		Order Nr:		=Fx		
				PANEL TYPE (QM) 24 KV SWITCHGEAR SM6				FRONT VIEW AND COMPONENT LAYOUT		Drawing Nr: A5157494861-106		Sheet 9		Total Sh. 13
A	First Issued	11/04/2016	RZQ											
Index	Description	Date	Name	Origin	Repl. f.	Repl. by								

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Bill of Material

No.	Qty	Type / Ref. no.	Description	Manufacture	Device designation
1	1	3730335A	Opening Rel., 110-137Vdc, 220-230Vac, 50-60Hz	Schneider Electric	=Fx+P-Y1
2	1	3736436-220V	Space Heater, 50W, 220/240VAC, 50/60Hz	Local	=Fx+P-EH1
3	1	-Earth Switch within LBS-	Earth Switch 3P	Schneider Electric	=Fx+P-Q2
4	1	IC60N / A9F74102	MCB 1P, 2A, 6kA Curve C	Schneider Electric	=Fx+M2-Q4
5	1	IC60N / A9F74210	MCB 2P, 10A, 6kA Curve C	Schneider Electric	=Fx+M2-Q5
6	1	CI1	LBS 3P	Schneider Electric	=Fx+P-Q1
7	2	EF83161.1 / 1CDE008764	Aux. Contact of Main Switch, 1 C/O max.10.1A	Crouzet	=Fx+P-S2, =Fx+P-S1
8	1	for QM-QMC-PM	Earth Switch 3P	Schneider Electric	=Fx+P-Q2.1
9	1	L1, L2, L3, PE	Main Busbar and Earthing Busbar	Schneider Electric	=Fx+P-QM
10	3	MV Fuse	MV Fuse with Stricker (rating - see Single Line)	-	=Fx+P-FU1, =Fx+P-FU2, =Fx+P-FU3
11	24	ST 2.5, 3031212	Spring Cage Terminal Block for 2.5 sqmm	Phoenix	=Fx+M1-CN(8), =Fx+M1-XB1(14), =Fx+M1-XB30(2)
12	1	VPIS / VPI 62408 + 62418	LED Voltage Indication, 18-25kV, 47.2 uA	Schneider Electric	=Fx+P-H21

E2030 - 13411 / IC - 17805

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11/9/2016 11/8/2016 18:48

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Terminal Strip -CN

cable type cable designations

Placement in Schematics

target internal

jumpers

terminal number

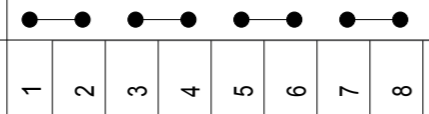
potential

target external

cable type cable designations

TERMINAL FUNCTION

7D2
7D2
7E2
7E2
7B2
7B2
7B2
7B2



1
2
3
4
5
6
7
8

Terminal type

terminal ST 2.5 [1 - 8]

terminal

terminal

terminal

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A	First Issued	11/04/2016	RZQ
Index	Description	Date	Name

Subject: PANEL TYPE (QM)
24 kV SWITCHGEAR SM6



Title: TERMINAL LIST
-XB1

Order Nr: =Fx
+M1
Drawing Nr: A5157494861-106
Sheet 12
Total Sh. 13

Terminal Strip -XB1

cable type cable designations

Placement in Schematics

target internal

jumpers

terminal number

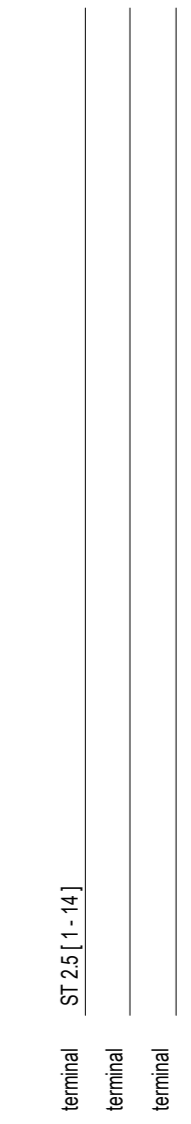
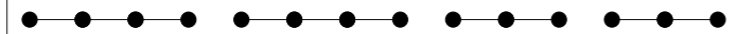
potential

target external

cable type cable designations

TERMINAL FUNCTION

7/A6														
7/A6														
7/B6														
7/B6														
7/B6														
7/B6														
7/B6														
7/B6														
8/B6														
8/B6														
8/B6														
8/B6														
8/B6														
8/B6														



Terminal type

Terminal Strip -XB30	cable type		cable designations			
	target internal	Placement in Schematics		8/D6	8/D6	
	jumpers					
	terminal number		15	16		
	potential					
	target external					
	cable type		cable designations		TERMINAL FUNCTION	

E2030 - 13411 / IC - 17805

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 11/9/2016 11/8/2016 18:48

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Terminal type
 terminal ST 2.5 [15 - 16]
 terminal
 terminal