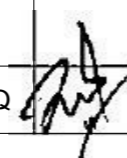
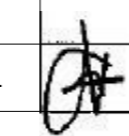
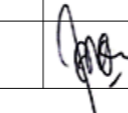
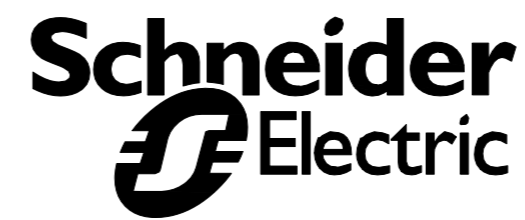
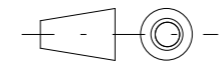


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A	11/04/2016	First Issued	RZQ 	MDL 	MZ 
INDEX	DATE	DESCRIPTION	DRAWN BY	CHECKED BY	APPROVED BY

SCALE: NTS



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

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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SHEET	DESCRIPTION OF TITLE	INDEX MODIFICATION									
		A	B	C	D	E	F	G	H	I	J
1	COVER SHEET	A									
2	TABLE OF CONTENTS	A									
3	DATA SPECIFICATION	A									
4	FRONT VIEW AND CIVIL WORKS	A									
5	SINGLE LINE DIAGRAM AND LIST OF BUSBAR	A									
6	POWER CIRCUIT	A									
7	AUXILIARY SUPPLIES	A									
8	CONTROL CIRCUIT	A									
9	FRONT VIEW AND COMPONENT LAYOUT	A									
10	BILL OF MATERIAL	A									
11	TERMINAL LIST	A									
12	TERMINAL LIST	A									
13	TERMINAL LIST	A									

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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 SWTBRD
- 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)

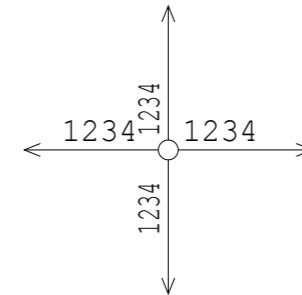
CURRENT CIRCUIT/ (FROM CT) / COLOUR	<input type="checkbox"/> 2.5SQMM	PHASE: L1/RED; L2/YELLOW; L3/BLACK NEUTRAL/GREEN
AC VOLTAGE CIRCUIT / (FROM VT) / COLOUR	<input type="checkbox"/> 1.5SQMM	PHASE: L1/RED; L2/YELLOW; L3/BLACK NEUTRAL/BLUE
DC VOLTAGE CIRCUIT	<input type="checkbox"/> 1.5SQMM; +/BLACK;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

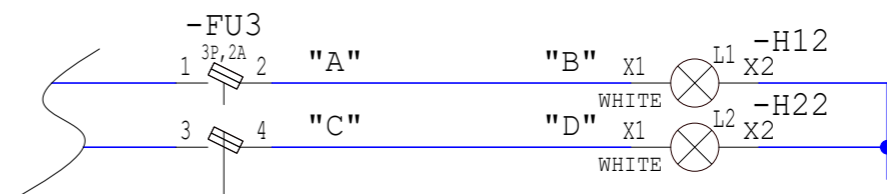
- B THERMOSTAT
- C CAPACITOR
- E HEATING DEVICE
- F PROTECTIVE DEVICE (PROTECTION RELAY, FUSE)
- G GENERATOR
- H SIGNALLING DEVICE (INDICATOR LIGHT)
- K RELAY
- M MOTOR
- P MEASURING DEVICE (AMMETER, VOLTMETER,)
- Q MECHANICAL SWITCHING DEVICE (CIRCUIT BREAKER, ISOLATOR)
- R RESISTOR
- S SWITCH (CONTROL 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

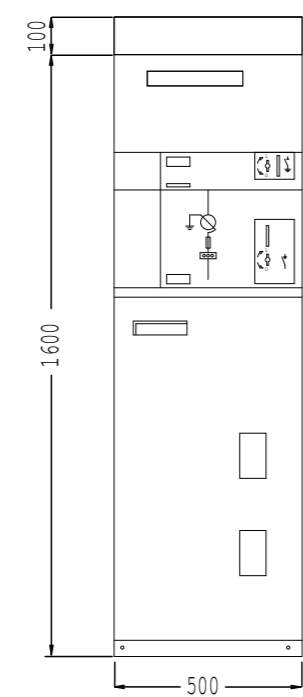
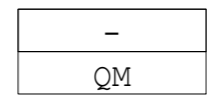


NOTE FOR CABLE MARKER : SAMPLE COMPARTMENT FI-1

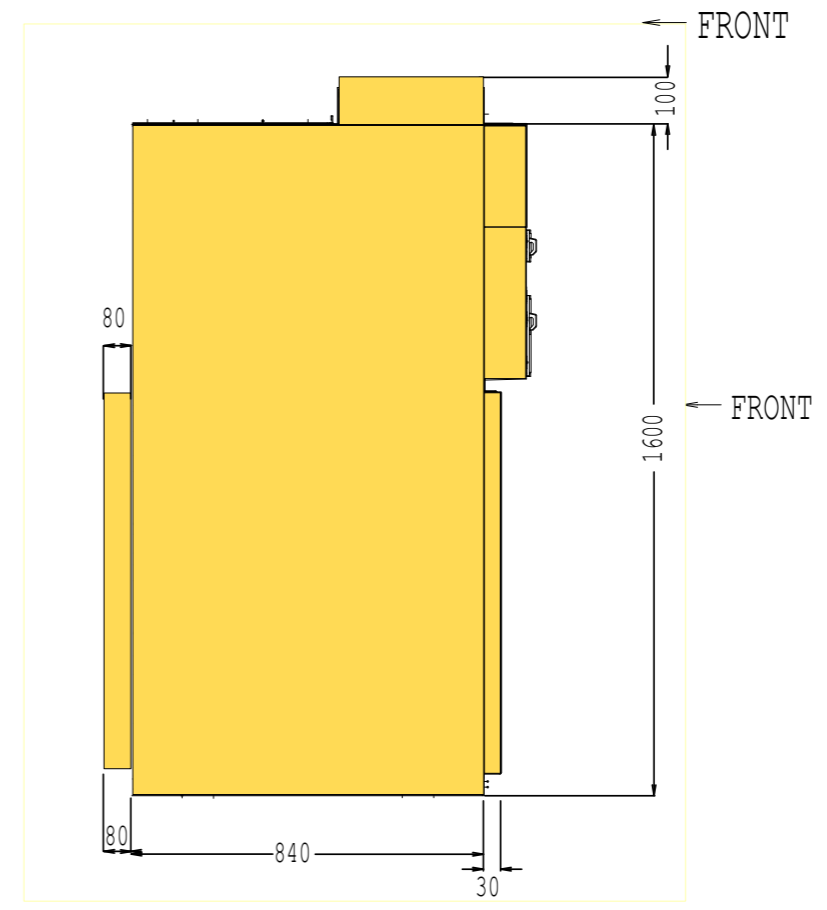
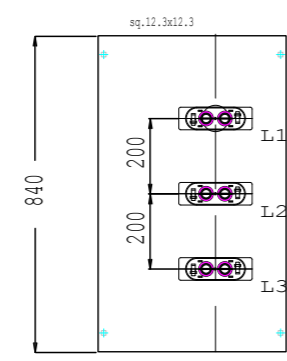


- "A" : -FU3/2
- "B" : -H12/X1
- "C" : -FU3/4
- "D" : -H22/X1

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CABLES ACCESS AND FIXING HOLES



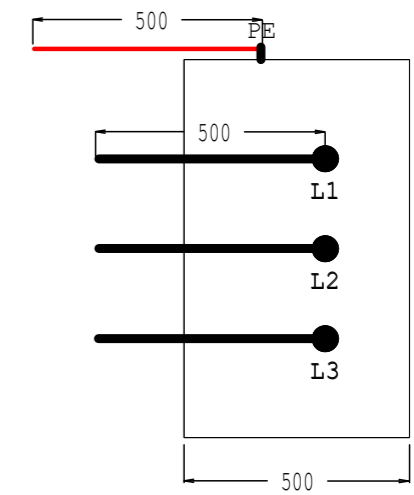
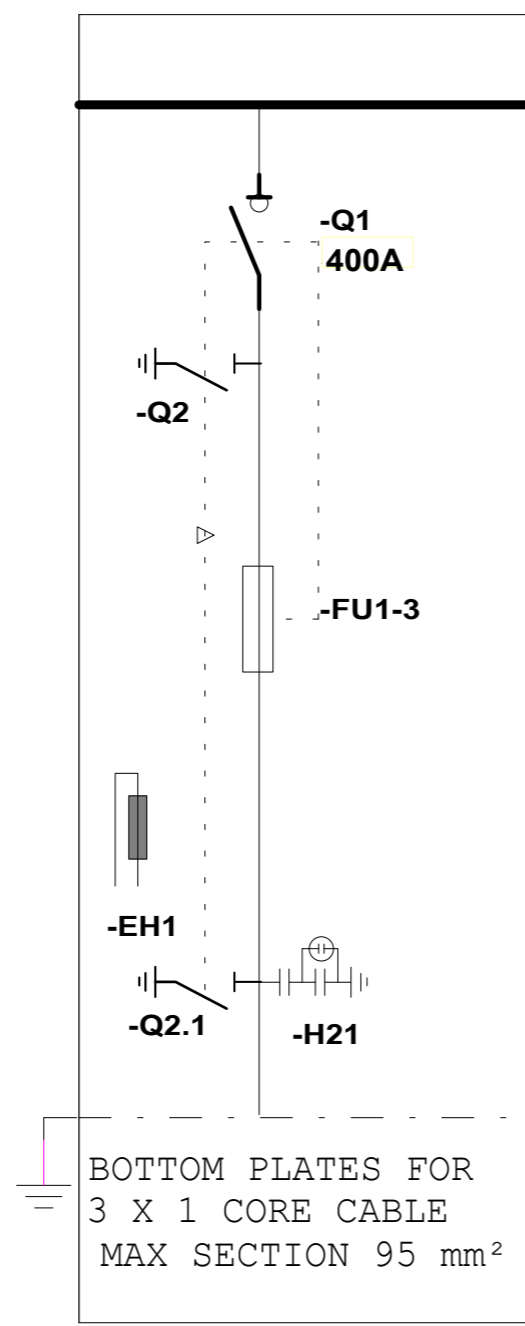
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				PANEL TYPE (QM) 24 KV SWITCHGEAR SM6				FRONT VIEW AND CIVIL WORKS		Drawing Nr: A5157494861-106		Sheet 4		Total Sh. 13
A	First Issued	11/04/2016	RZQ											
Index	Description	Date	Name	Origin	Repl. f.	Repl. by								

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TYPE OF PANEL

QM

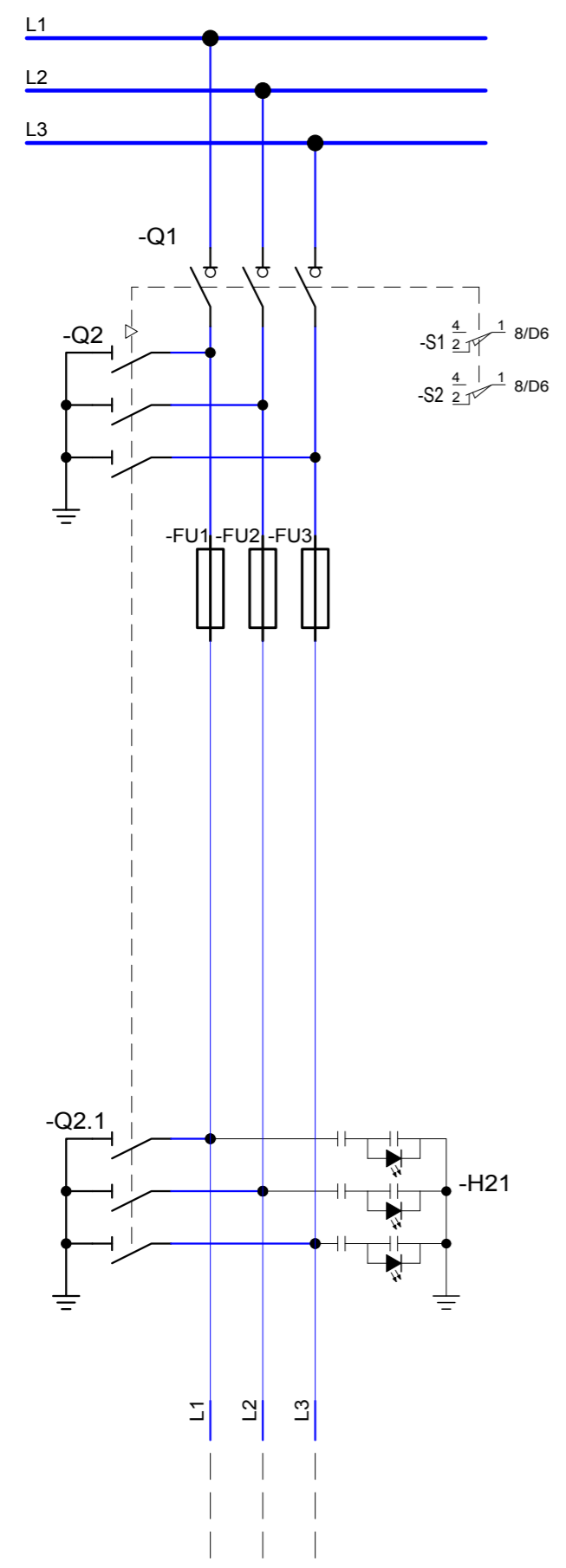
QM




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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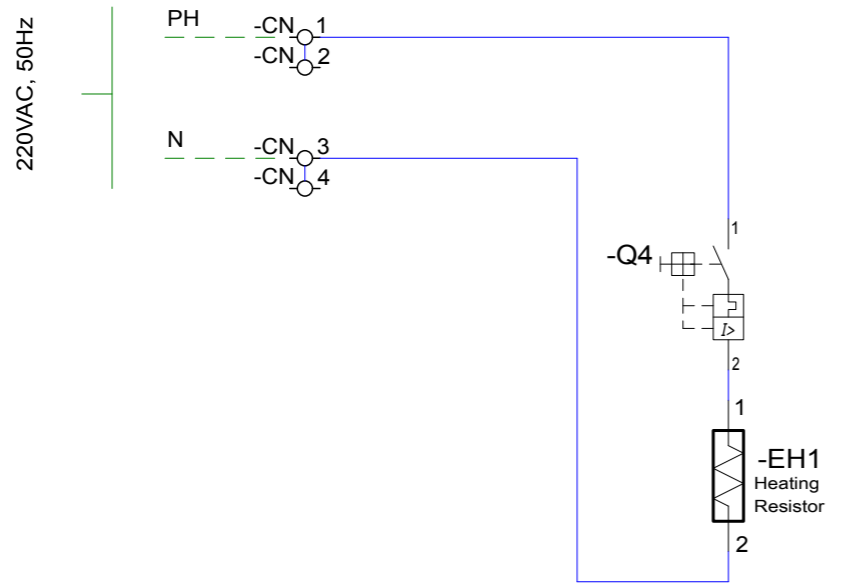
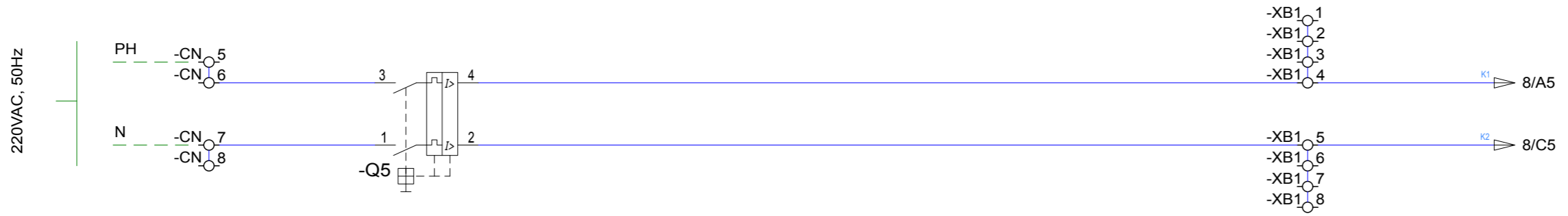
POWER CIRCUIT



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

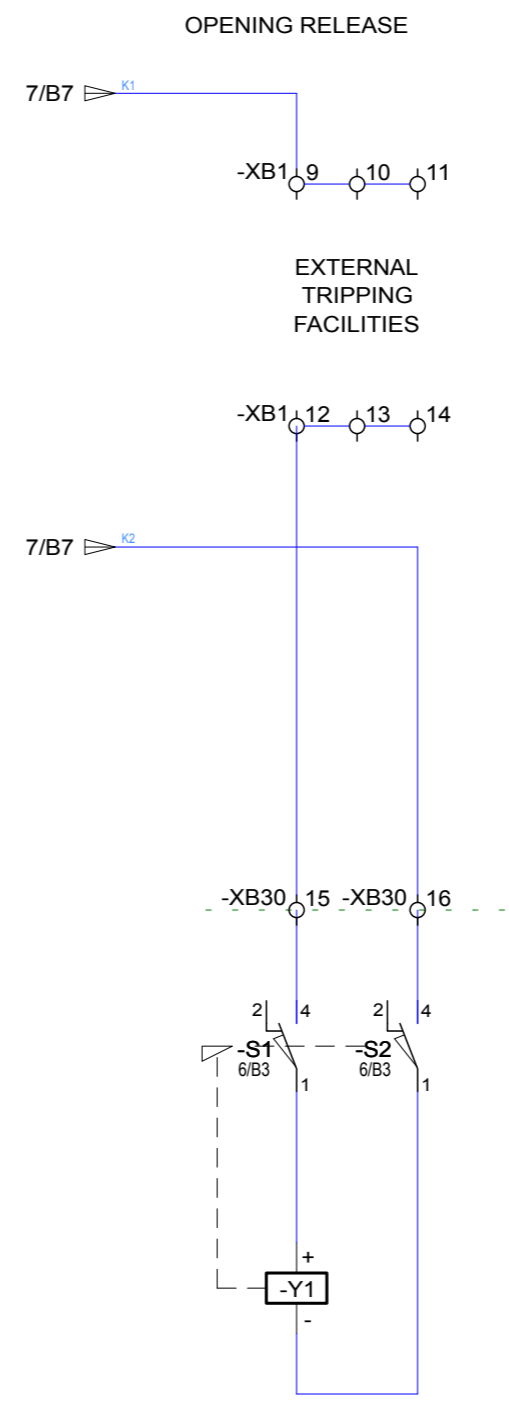
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EXTERNAL SUPPLY



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		Sheet	7
Index	Description	Date	Name	Origin	Repl. f.	Repl. by	Total Sh.		13

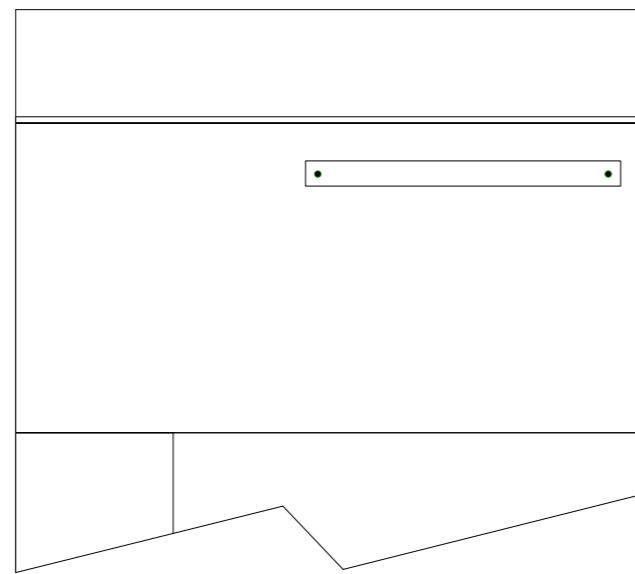
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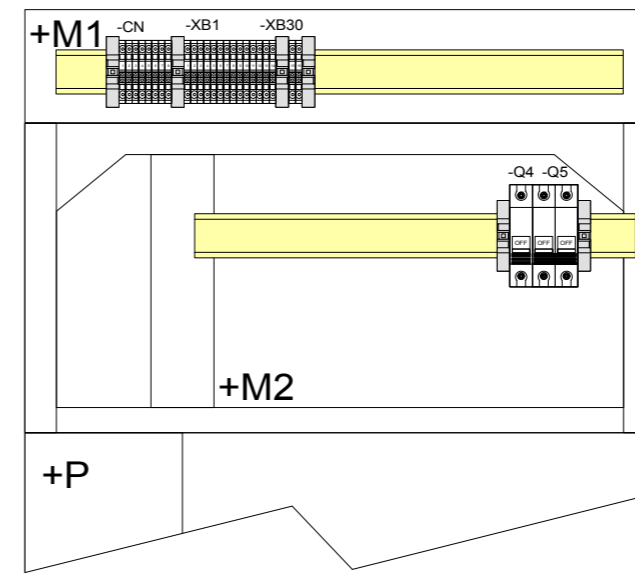
				Subject:			Title:	Order Nr:		=Fx
				PANEL TYPE (QM) 24 kV SWITCHGEAR SM6			CONTROL CIRCUIT	Drawing Nr: A5157494861-106		Sheet
A	First Issued	11/04/2016	RZQ					Total Sh.	13	
Index	Description	Date	Name	Origin	Repl. f.	Repl. by				

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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
A	First Issued	11/04/2016	RZQ						Total Sh. 13	
Index	Description	Date	Name	Origin	Repl. f.	Repl. by				

E2030 - 13411 / IC - 17805

created with A5157494861-106

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

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Terminal Strip -CN

cable type cable designations

Placement in Schematics

target internal

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

jumpers



terminal number

1 2 3 4 5 6 7 8

potential

target external

cable type cable designations

TERMINAL FUNCTION

Terminal type

ST 2.5 [1 - 8]

terminal
terminal
terminal

Subject:

PANEL TYPE (QM)
24 kV SWITCHGEAR SM6



Title:

TERMINAL LIST
-CN

Order Nr:

Drawing Nr: A5157494861-106

=Fx
+M1

Sheet 11
Total Sh. 13

Index	Description	Date	Name	Origin	Repl. f.	Repl. by
A	First Issued	11/04/2016	RZQ			

1 2 3 4 5 6 7 8

E2030 - 13411 / IC - 17805

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Terminal Strip -XB1

cable type cable designations

Placement in Schematics

target internal

jumpers

terminal number

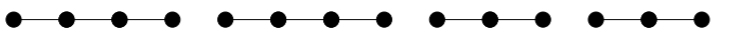
potential

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



1 2 3 4 5 6 7 8 9 10 11 12 13 14

Terminal type

ST 2.5 [1 - 14]

terminal
terminal
terminal

Subject:

PANEL TYPE (QM)
24 kV SWITCHGEAR SM6



Title:

TERMINAL LIST
-XB1

Order Nr:

Drawing Nr: A5157494861-106

=Fx
+M1

Sheet 12
Total Sh. 13

<p>E2030 - 13411 / IC - 17805</p> <p>created with A5157494861-106</p> <p>11/9/2016 11/8/2016 18:48</p> <p>We reserve all rights in this document and in the information contained therein. Reproduction, use or disclosure to third parties without express authority is strictly forbidden. © Zuken</p>	Terminal Strip -XB30	cable type		cable designations		Placement in Schematics		8/D6	8/D6
		target internal							
		jumpers							
		terminal number		15	16				
		potential							
		target external							
		cable type		cable designations		TERMINAL FUNCTION			

Terminal type

terminal ST 2.5 [15 - 16]

terminal

terminal

terminal