

ABB India Ltd.  
ELDS-Secondary GIS  
Nashik

**RMU TYPE : 11kV,630A,Outdoor,Manual operated RMU,TYPE: "CVC+" WITH PEX: 10NO'S**

CUSTOMER REF. NO.: PO:ICS/ABB-002/2022-23 DTD 17.6.2022  
ABB REF. NO.: 4202581022

**SWITCHGEAR BASIC DATA**

STANDARD	IEC 62271-200
RMU TYPE	11kV,630A,Outdoor,Manual operated RMU,TYPE: "CVC+" WITH PEX
RATED VOLTAGE	12 KV
RATED BUSBAR CURRENT	630A
RATED FREQUENCY	50HZ
POWER FREQUENCY WITHSTAND VOLTAGE / BIL	38KV/95KVp
RATED SHORT CIRCUIT CURRENT	21KA
RATED SHORT CIRCUIT CURRENT DURATION	3s
DEGREE OF PROTECTION-TANK	IP67
DEGREE OF PROTECTION-SWITCHGEAR	IP54
BUS BAR MATERIAL	COPPER
AMBIENT TEMPERATURE	-25.....40Deg C
RMU FRONT COVER PAINT SHADE	PAINT SHADE RAL7035 OF IS5
RMU ENCLOSURE PAINT SHADE	PAINT SHADE 632 OF IS5
ALTITUDE	<1500m
BUSBAR INSULATING GAS	SF6
NOMINAL OPERATING GAS PRESSURE	1.2 BAR @20 Deg C
GAS LEAKAGE/ANNUM	0.1%

During the installation, commissioning period and the time of operation, client is obliged to follow all instructions and recommendation given by manufacturers of individual instruments installed inside supplied equipment

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	=
			Checked VBW	Approved VBW	PROJECT TITLE PAGE	4202581022	+
			Project name			DCC Code	Lang.
Contractor / Contract No.					India Ltd., Nashik, ELDS	Doc. No.	Page A00
Rev. Code	Date	Name				YN1V400010-YRC	Pages

© Copyright 2012 ABB. All rights reserved.

# List Of Documents:

Total pages in project : 22

Assignment	Page	Page description	Revision
<b>SCHEMATIC TYPE :</b> <b>SCHEMATIC NAME :</b> <b>DRAWING NUMBER : YN1V400010-YRC</b> <b>LAST PAGE NUMBER : A02</b> <b>EXTERNAL DOCUMENT ID :</b>			
	A00	PROJECT TITLE PAGE	
	A01	List Of Documents	
	A02	List Of Documents	
<b>SCHEMATIC TYPE : =K00</b> <b>SCHEMATIC NAME : COMMON DRAWINGS</b> <b>DRAWING NUMBER : YN1V300113-GHG</b> <b>LAST PAGE NUMBER : A07</b> <b>EXTERNAL DOCUMENT ID :</b>			
	A01	MAKE LIST	
	A02	SYMBOLS	
	A03	FULL PANEL SLD	
	A04	GENERAL ARRANGEMENT DRAWING	
	A05	RMU WITH DOOR OPEN	
	A06	RATING PLATE	
	A07	CABLE DATA DETAILS	
<b>SCHEMATIC TYPE : =K01</b> <b>SCHEMATIC NAME : C MODULE-1</b> <b>DRAWING NUMBER : YN1V300113-GHG</b> <b>LAST PAGE NUMBER : A1</b> <b>EXTERNAL DOCUMENT ID :</b>			
	A1	CONNECTION DIAGRAM	
<b>SCHEMATIC TYPE : =K01 +BOM</b> <b>SCHEMATIC NAME : C MODULE-1</b> <b>DRAWING NUMBER :</b> <b>LAST PAGE NUMBER : Z01</b> <b>EXTERNAL DOCUMENT ID :</b>			
	Z01	Parts list	

Based on

Prepared SKR Date 3/6/2022

Title

Order No  
4202581022

Checked VBW Approved VBW

List Of Documents

DCC Code

Lang.

Project name

Doc. No.  
YN1V400010-YRC

Page A01  
Pages 3

Contractor / Contract No.



India Ltd., Nashik, ELDS

Rev. Code	Date	Name

# List Of Documents:

Total pages in project : 22

Assignment	Page	Page description	Revision
<b>SCHEMATIC TYPE : =K02</b> <b>SCHEMATIC NAME : V MODULE</b> <b>DRAWING NUMBER : 1VYN3000113-GHG</b> <b>LAST PAGE NUMBER : A5</b> <b>EXTERNAL DOCUMENT ID :</b>			
	A1	CONNECTION DIAGRAM	
	A2	CT CIRCUIT	
	A3	CONTROL CIRCUIT	
	A4	SPARE CONTACT	
	A5	RELAY DIAGRAM	
<b>SCHEMATIC TYPE : =K02 +BOM</b> <b>SCHEMATIC NAME : V MODULE</b> <b>DRAWING NUMBER :</b> <b>LAST PAGE NUMBER : Z02</b> <b>EXTERNAL DOCUMENT ID :</b>			
	Z01	Parts list	
	Z02	Parts list	
<b>SCHEMATIC TYPE : =K02 +TBPLAN</b> <b>SCHEMATIC NAME : V MODULE</b> <b>DRAWING NUMBER :</b> <b>LAST PAGE NUMBER : Z01</b> <b>EXTERNAL DOCUMENT ID :</b>			
	Z01	Terminal diagram =K02+-XDC	
<b>SCHEMATIC TYPE : =K03</b> <b>SCHEMATIC NAME : C MODULE-2</b> <b>DRAWING NUMBER : YN1V300113-GHG</b> <b>LAST PAGE NUMBER : A1</b> <b>EXTERNAL DOCUMENT ID :</b>			
	A1	CONNECTION DIAGRAM	
<b>SCHEMATIC TYPE : =K03 +BOM</b> <b>SCHEMATIC NAME : C MODULE-2</b> <b>DRAWING NUMBER :</b> <b>LAST PAGE NUMBER : Z01</b> <b>EXTERNAL DOCUMENT ID :</b>			
	Z01	Parts list	

Based on

Prepared SKR Date 3/6/2022

Title

Order No  
4202581022

Checked VBW Approved VBW

List Of Documents

DCC Code

Lang.

Project name

Doc. No.  
YN1V400010-YRC

Page A02  
Pages 3

Contractor / Contract No.



India Ltd., Nashik, ELDS

Rev. Code	Date	Name

### MAKE OF EQUIPMENT LIST

**NOTE :- 1. BELOW ARE ALTERNATIVE MAKE OF EQUIPMENT WHICH CAN BE USE FOR THIS PANEL DURING MANUFACTURING**  
**2. IN PART LIST, SPECIFIC MAKE HAS BEEN MENTIONED FOR THE REFERENCE.**  
**3. CUSTOMER REQUEST TO HIGHLIGHT / COMMENT IF ANY SPECIFIC MAKE IN BELOW MAKE LIST IS REQUIRED.**

Sr. No.	DESCRIPTION	MAKE
1	VACUUM CIRCUIT BREAKER & PANEL	ABB
2	CURRENT TRANSFORMERS	ERICON /ECS/VIDUT/NPT/EQ
3	TEST TERMINAL BLOCKS	DAV / DIP / EQ.
4	CABLE / WIRE	ROLLIFLEX / POLYCAB / FINOLEX / R.R KABLES / EQ.
5	TERMINAL BLOCKS	CONNECTWELL / PHOENIX / ELMEX / VINPAR / EQ.
6	CONNECTING LUGS	M.G.ELECTRICAL / DOWELLS / EQ.
7	TERMINAL PROTECTOR	RAYCHEM
8	LIMIT SWITCHES.CONTACT 1NO+1NC	ELMEX/CROUZET/SHANGHAI JIADING/EQ
9	LIMIT SWITCHES.CONTACT 3NO+2NC	VAKRATUND/EQ
10	MANOMETER	WIKA/REGENCY/EQ.
11	VOLTAGE PRESENCE INDICATION	NAMPING ANDA / ECS / EQ.
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		

© Copyright 2012 ABB. All rights reserved.

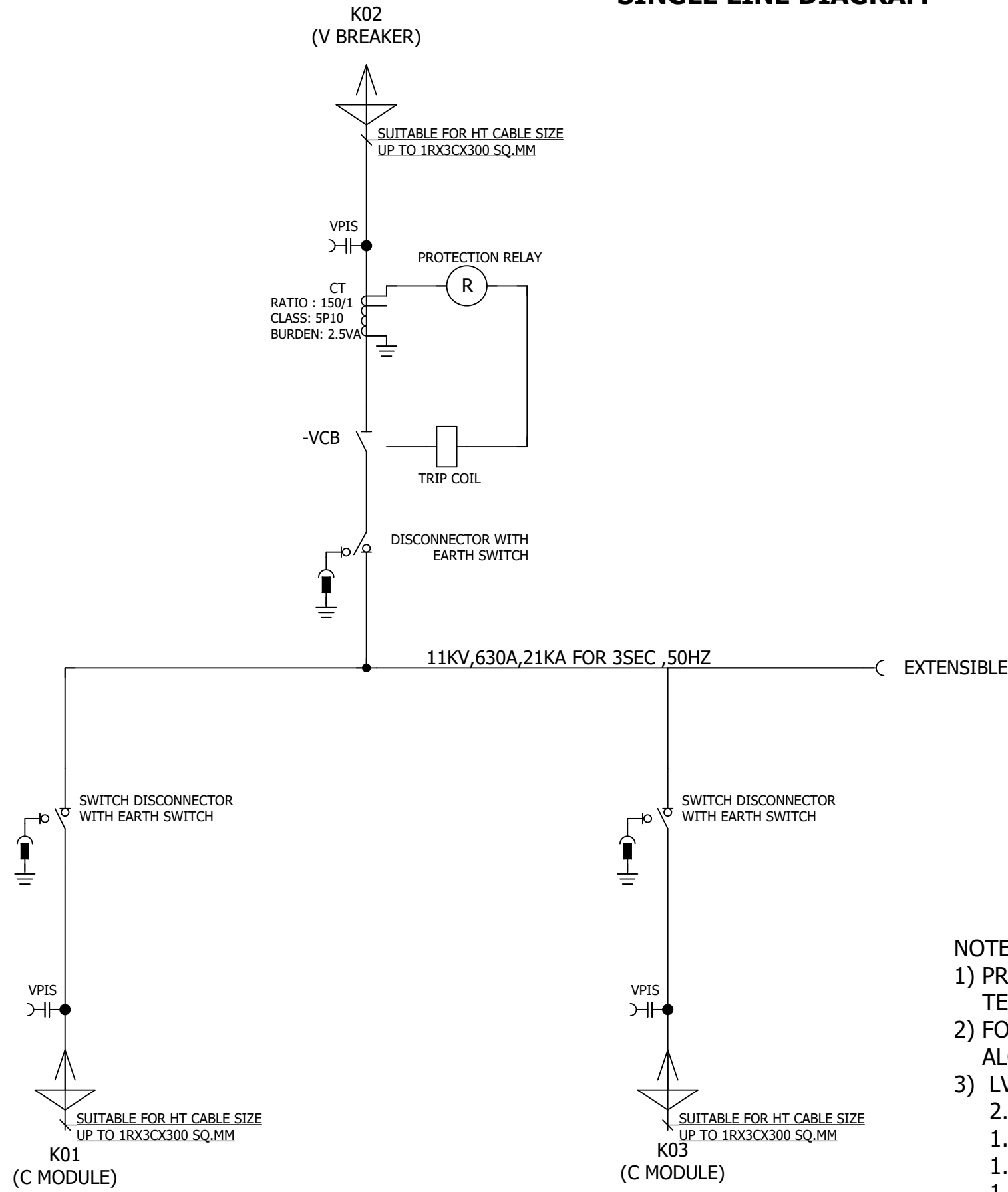
Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K00
			Checked VBW	Approved VBW	COMMON DRAWINGS	4202581022	+
			Project name		MAKE LIST	Doc. No.	Lang.
Contractor / Contract No.					India Ltd., Nashik, ELDS	YN1V300113-GHG	Page A01
Rev. Code	Date	Name					Pages 7

© Copyright 2012 ABB. All rights reserved.

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
INCOMING CABLE		ANNUNCIATOR	
OUTGOING CABLE		AMMETER	
EARTH SWITCH		VOLTMETER	
SINGLE CORE RING TYPE CT		MULTIFUNCTION METER	
VACUUM CIRCUIT BREAKER		MASTER TRIP RELAY	
VPIS		AUX RELAY	
OFF LOAD SWITCH / DISCONNECTOR		FUSE	
NON - DISCONNECTING TERMINAL BLOCK		LAMP	
DISCONNECTING TERMINAL BLOCK		CONTACTOR / COIL	
PROTECTION RELAY		POTENTIAL TRANSFORMER	
SERIES TRIP COIL		FAULT PASSAGE INDICATOR/ EARTH FAULT INDICATOR	
MOTOR			

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K00
			Checked VBW	Approved VBW	COMMON DRAWINGS	4202581022	
			Project name		SYMBOLS	Doc. No.	
Contractor / Contract No.					India Ltd., Nashik, ELDS	YN1V300113-GHG	Lang.
Rev. Code	Date	Name					Page A02
1							Pages 7

# SINGLE LINE DIAGRAM



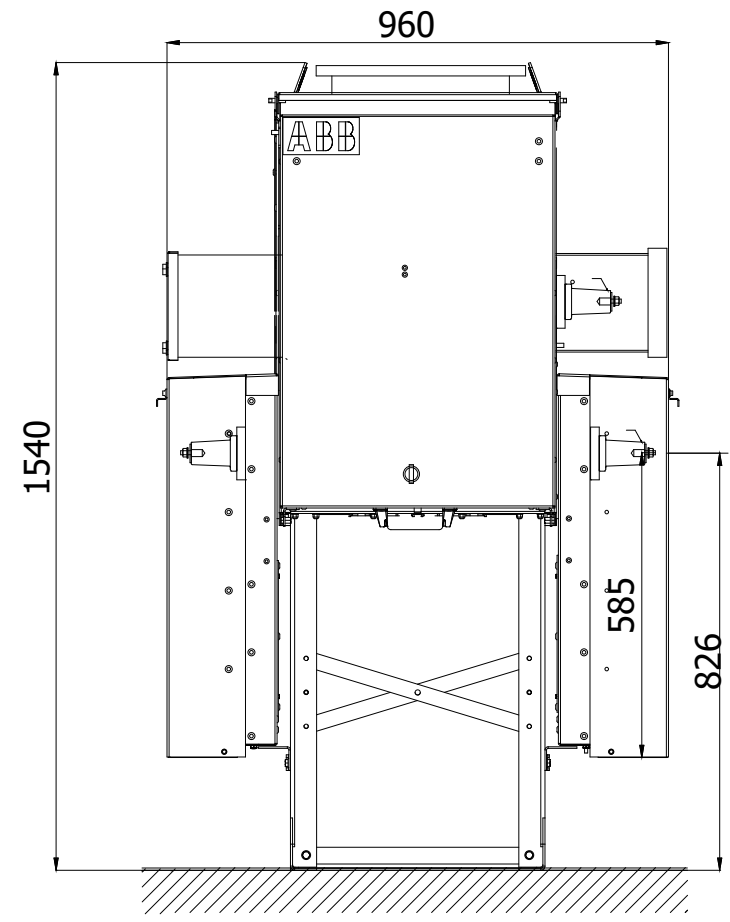
**NOTE\* :**

- 1) PROPER TERMINATION USING ABB APPROVED MAKE TOUCH PROOF TERMINATION KIT IS MANDATORY FOR RMUs RATED ABOVE 12KV.
- 2) FOR RMUs RATED UP TO 12KV, ABB WILL SUPPLY TERMINAL PROTECTOR ALONG WITH THE RMU AS LOOSE MATERIAL.
- 3) LV WIRE SIZE DETAILS-  
 2.5 sqmm FOR CT CKT & PT CKT ,COLOR : RED,YELLOW,BLUE & BLACK.  
 1.5 sqmm FOR DC CKT & SPARE CKT, COLOR : GREY  
 1.5 sqmm FOR AC CKT, COLOR : BLACK  
 1.0/1.5 sqmm FOR DI/DO CKT, COLOR : GREY

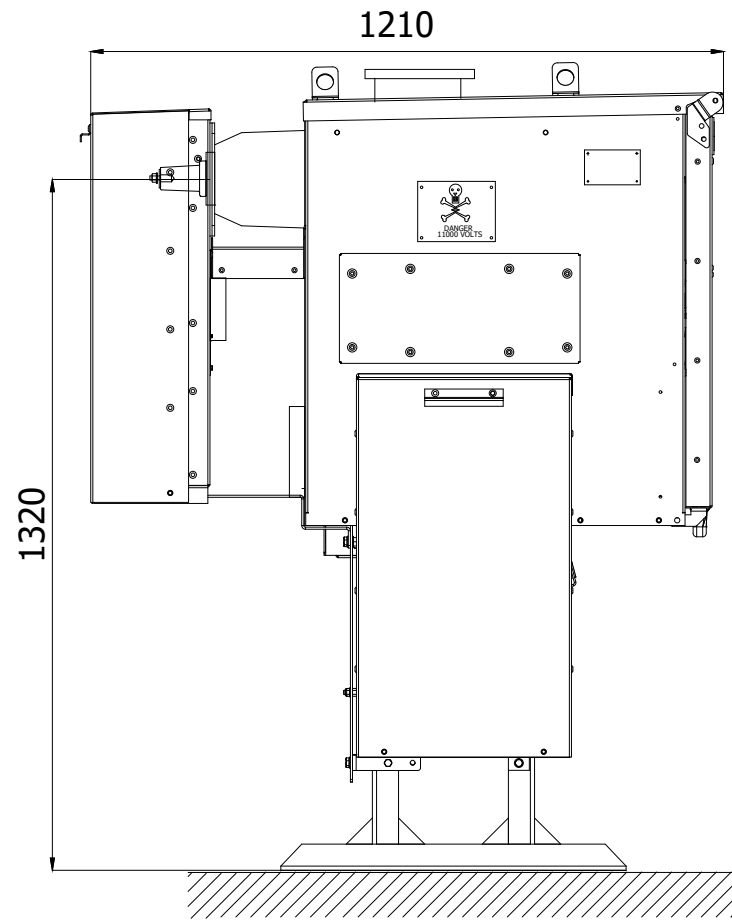
© Copyright 2012 ABB. All rights reserved.

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K00
			Checked VBW	Approved VBW	COMMON DRAWINGS	4202581022	
			Project name		FULL PANEL SLD	Doc. No	+
Contractor / Contract No.					India Ltd., Nashik, ELDS	YN1V300113-GHG	Lang.
Rev. Code	Date	Name					Page A03
1							Pages 7

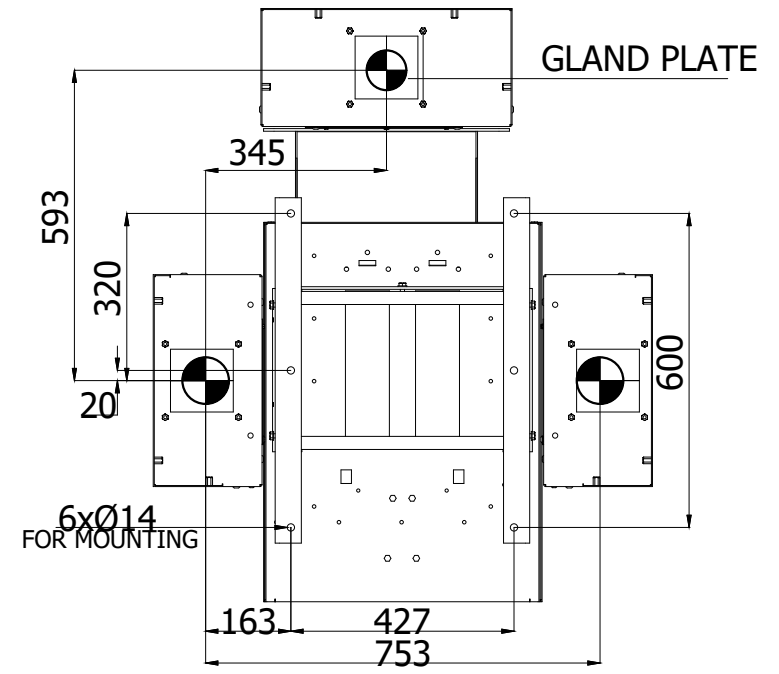
© Copyright 2012 ABB. All rights reserved.



FRONT VIEW



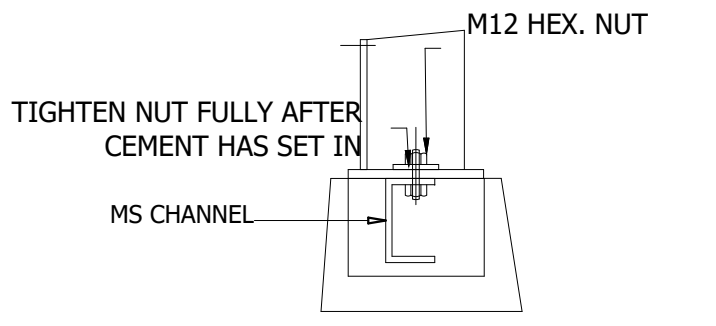
SIDE VIEW



TOP VIEW

NOTE :

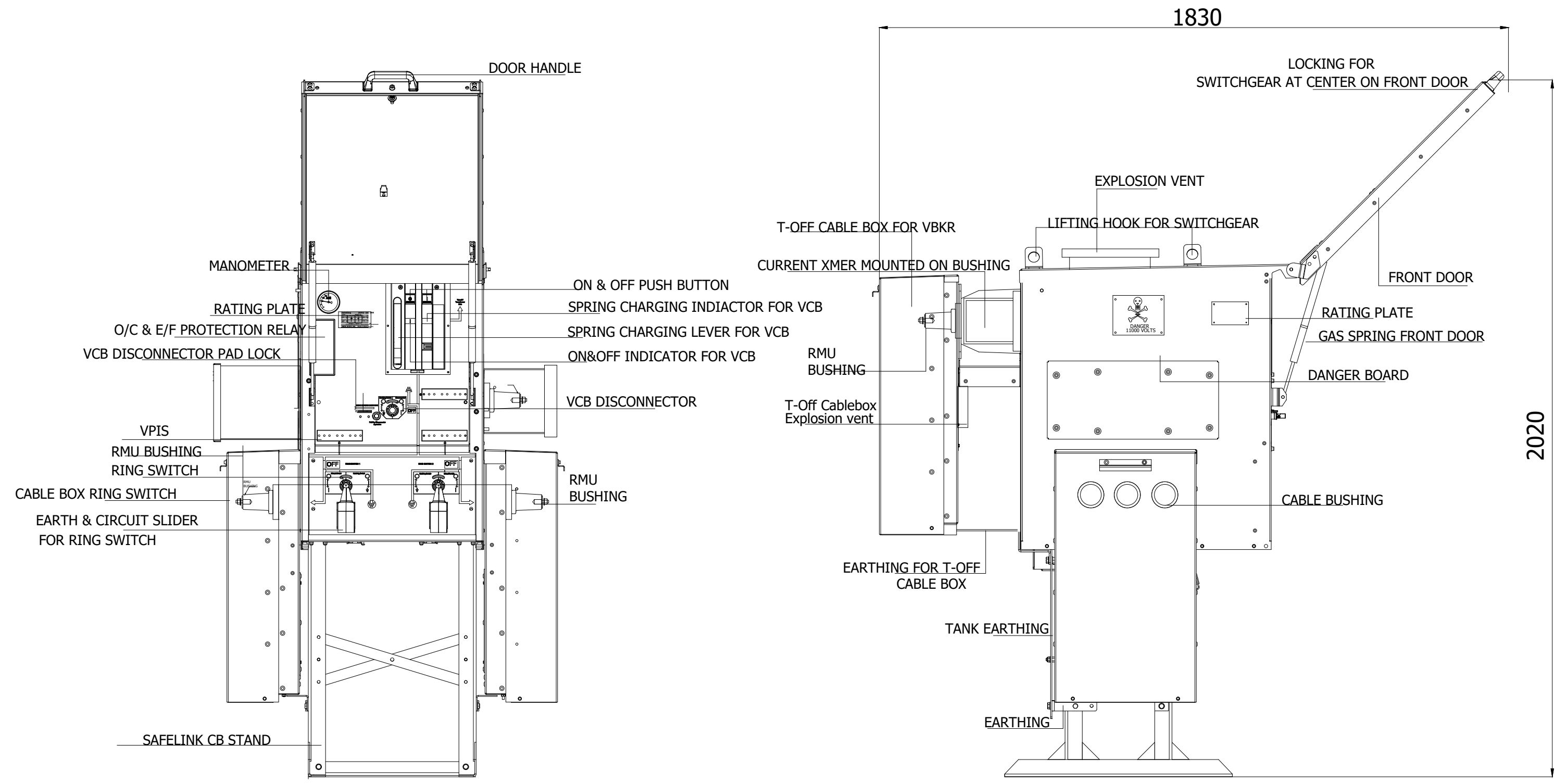
- 1) RMU TYPE : CVC+ OUTDOOR
- 2) PROTECTION CLASSI IP54
- 3) EARTH BUSBAR SIZE : 30X4 MM CU
- 4) PANIT SHADE : AS PER IS5 SHADE 632 (D.A.GRAY)
- 5) WEIGHT 355 KG APPROX.
- 6) FABRICATION OF RMU: 2MM CRCA
- 6) TANK THICKNESS: SS 2.5MM



FOUNDATION PLINTH DETAILS

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K00
			Checked VBW	Approved VBW	COMMON DRAWINGS	4202581022	+
Contractor / Contract No.			Project name		GENERAL ARRANGEMENT DRAWING	DCC Code	Lang.
Rev. Code	Date	Name			India Ltd., Nashik, ELDS	Doc. No.	Page A04
1						YN1V300115 BCS	Pages 7


© Copyright 2012 ABB. All rights reserved.



Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K00
			Checked VBW	Approved VBW	COMMON DRAWINGS	4202581022	
			Project name		RMU WITH DOOR OPEN	DCC Code	Lang.
Contractor / Contract No.					<b>ABB</b> India Ltd., Nashik, ELDS	Doc. No.	Page A05
Rev. Code	Date	Name				YN1V300115 BCS	Pages 7
1			2	3	4	5	6



© Copyright 2012 ABB. All rights reserved.



## SafeLink CB

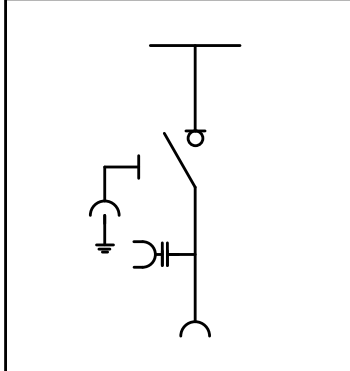
### RMU IEC 62271-200

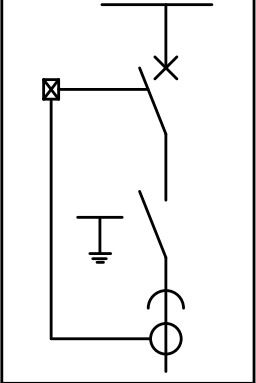
**Type : CVC+**

**IEC62271-102, 62271-103**

**ABB Serial no :**

**IEC 62271-100, 62271-102**

	Ur	12 kV	Ur	12 kV
	<b>Up</b>	<b>95 kVp</b>	<b>Up</b>	<b>95 kVp</b>
	<b>fr</b>	<b>50 Hz</b>	<b>fr</b>	<b>50 Hz</b>
	<b>Ir</b>	<b>630A</b>	<b>Ir</b>	<b>630 A</b>
	<b>Ik</b>	<b>21kA</b>	<b>Ik</b>	<b>21 kA</b>
	<b>tK</b>	<b>3s</b>	<b>tK</b>	<b>3s</b>
	<b>Ip</b>	<b>52.5kA</b>	<b>Ip</b>	<b>52.5kA</b>



**GAS FILLING PRESSURE 1.2BAR AT 20°    WEIGHT OF SF6 GAS: 1.2 KG**

---

**PO NUMBER: ICS/ABB-002/2022-23    DATED 17.06.2022**

---

**CUSTOMER : INDUSTRIAL CONTROL SYSTEM**

---

**MONTH & YEAR:**

---

**WEIGHT: 355 KG APPROX.**

---

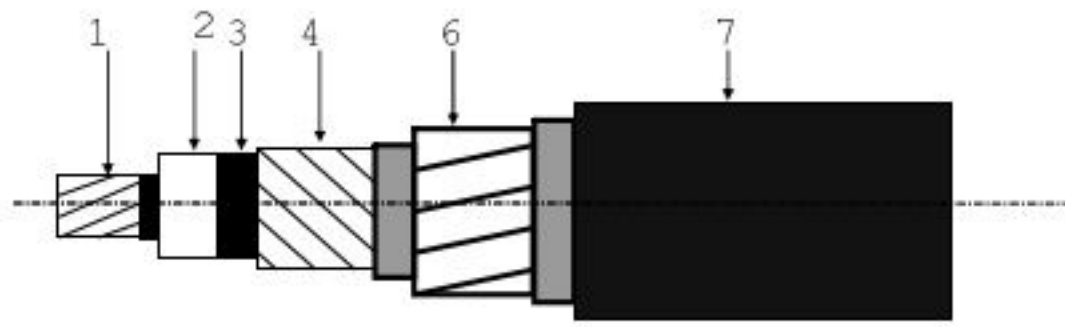
**CT RATIO :150/1A,2.5VA,5P10** **Made By ABB**

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K00
			Checked VBW	Approved VBW	COMMON DRAWINGS	4202581022	+
			Project name		RATING PLATE	DCC Code	Lang.
Contractor / Contract No.					India Ltd., Nashik, ELDS	Doc. No.	Page A06
Rev. Code	Date	Name				YN1V300115 BCS	Pages 7

© Copyright 2012 ABB. All rights reserved.

**CUSTOMER NEED TO PROVIDE HT CABLE DETAILS OR TICK BELOW REQUIRED INFORMATION DURING DRAWING APPROVAL**

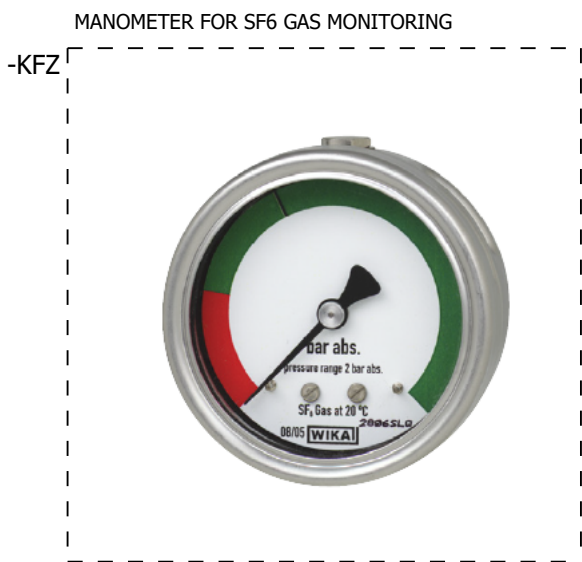
**Cable data sheet for the specification of accessories**



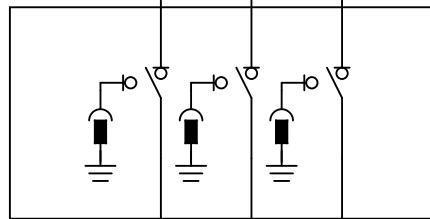
<b>Cable manufacturer</b>	
<b>Type of cable:</b> Cable sheet please enclose if possible	
<b>Insulation level U<sub>0</sub>/U (Um):</b>	
<b>Cores:</b> single core cable <input type="checkbox"/> three core cable <input type="checkbox"/>	
<b>1. Conductor</b> Al <input type="checkbox"/> Cu <input type="checkbox"/> cross section: _____mm <sup>2</sup> outer diameter: ∅ _____mm round, stranded RM <input type="checkbox"/> round, solid RE <input type="checkbox"/> Sector, stranded SM <input type="checkbox"/> sector, solid SE <input type="checkbox"/>	
<b>2. Insulation</b> XLPE <input type="checkbox"/> PE <input type="checkbox"/> PVC <input type="checkbox"/> EPR <input type="checkbox"/> Diameter over insulation: ∅ _____mm Insulation thickness: _____mm	
<b>3. Outer conductive layer</b> yes <input type="checkbox"/> no <input type="checkbox"/> Diameter over outer conductive layer: ∅ _____mm Type: graphited <input type="checkbox"/> strippable <input type="checkbox"/> fix bonded <input type="checkbox"/>	
<b>4. Screen</b> cross section: _____mm <sup>2</sup> copper wire <input type="checkbox"/> copper tape <input type="checkbox"/> Common screen (only three core cable) <input type="checkbox"/> other: _____	
<b>5. Inner sheath</b> yes <input type="checkbox"/> no <input type="checkbox"/> Diameter over inner sheath: ∅ _____mm	
<b>6. Armouring</b> yes <input type="checkbox"/> no <input type="checkbox"/> Material: _____ Round wire <input type="checkbox"/> flat wire <input type="checkbox"/> tape <input type="checkbox"/> Diameter over armouring: ∅ _____mm	
<b>7. Outer sheath</b> PE <input type="checkbox"/> PVC <input type="checkbox"/> Other: _____ Overall diameter: ∅ _____mm	

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K00
			Checked VBW	Approved VBW	COMMON DRAWINGS	4202581022	
			Project name		CABLE DATA DETAILS	DCC Code	Lang.
Contractor / Contract No.					<b>ABB</b> India Ltd., Nashik, ELDS	Doc. No.	Page A07
Rev. Code	Date	Name				YN1V300115 BCS	Pages 7
1	2	3	4	5	6	7	8

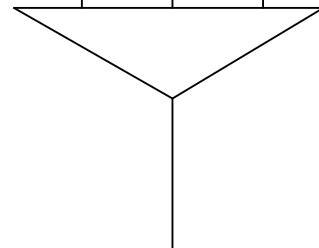
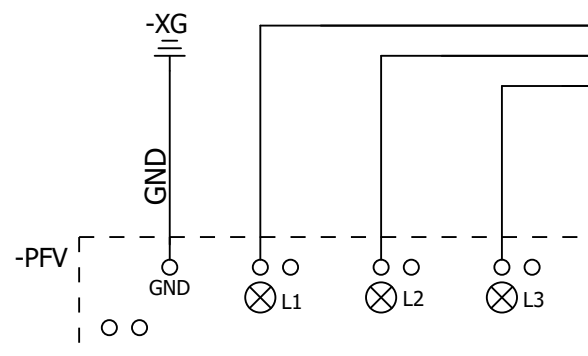
© Copyright 2012 ABB. All rights reserved.



R PHASE  
Y PHASE  
B PHASE



SWITCH DISCONNECTOR WITH EARTH SWITCH




Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K01
			Checked VBW	Approved VBW	C MODULE-1	4202581022	+
Contractor / Contract No.			Project name		CONNECTION DIAGRAM	Doc. No.	Lang.
Rev. Code	Date	Name			ABB India Ltd., Nashik, ELDS	YN1V300113-GHG	Page A1
1							Pages 1

**Parts list: K01  
C MODULE-1**

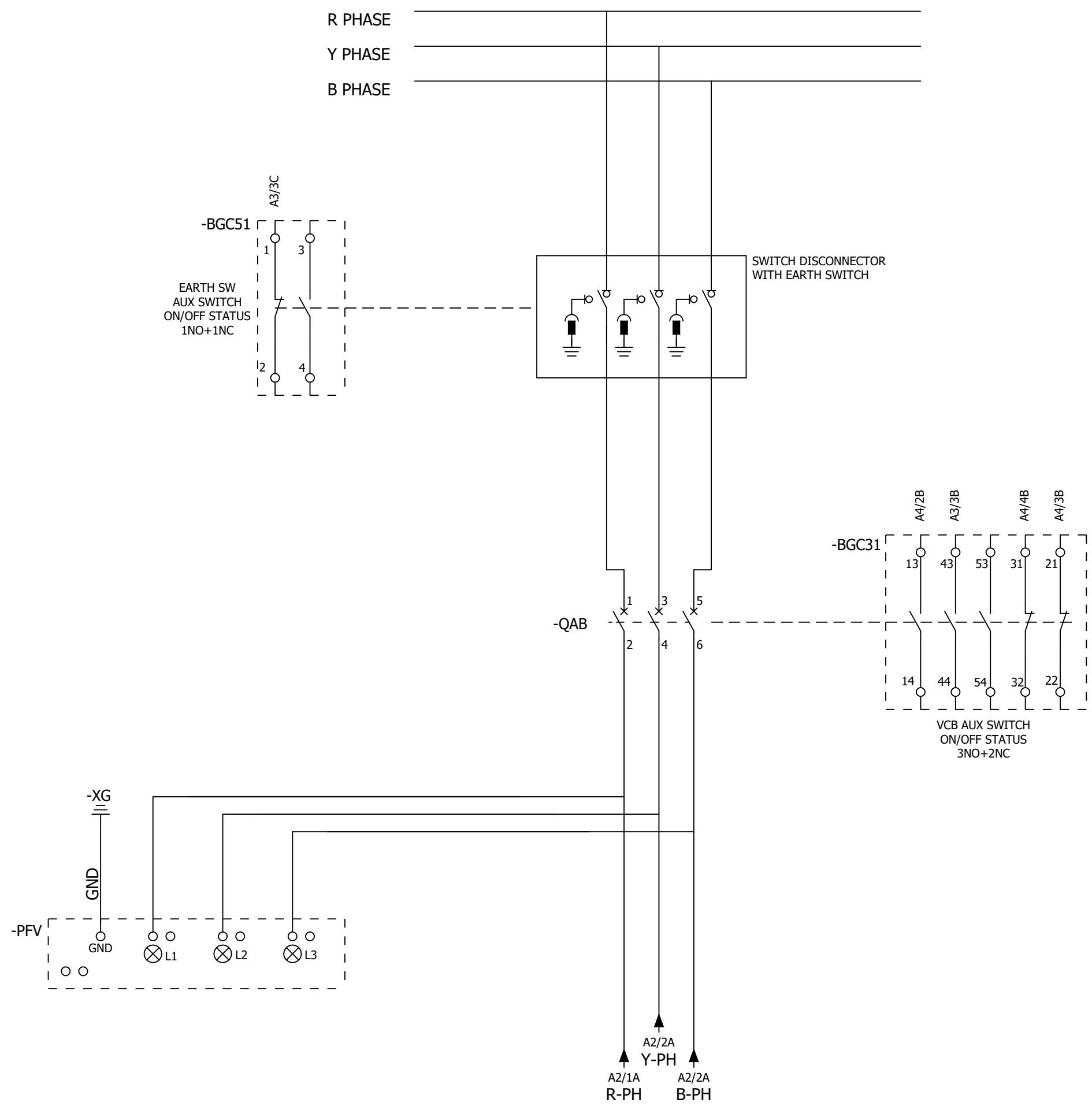
**NOTE:** CAB:CABLE COMPARTMENT  
 LVT:LOW VOLTAGE COMPARTMENT-TOP  
 LVL:LOW VOLTAGE COMPARTMENT-LEFT SIDE  
 LVR:LOW VOLTAGE COMPARTMENT- RIGHT SIDE  
 LVB:LOW VOLTAGE COMPARTMENT- BOTTOM  
 MP:METERING PANEL,  
 IM:INSIDE MIMIC,  
 MM:MODULE MECHANISM

DEVICE TAG / FUNCTION	PAGE / POSITION	MANUFACTURER	MATERIAL ORDERING CODE	MOUNTING LOCATION	MATERIAL DESCRIPTION	Quantity
-KFZ MANOMETER FOR SF6 GAS MONITORING	+A1/1A	WIKA	2REA013719P0001	IM	Manometer,Temp.COMP,WIKA SET POINT .FILLING PRESSURE 1.2 BAR ABS.	1
-PFV	+A1/2E	NAMP PING ANDA	YN1V400916-587	IM	VOLTAGE PRESENCE INDICATION SYSTEM VOLTAGE RANGE - 9-15KV	1

© Copyright 2012 ABB. All rights reserved.

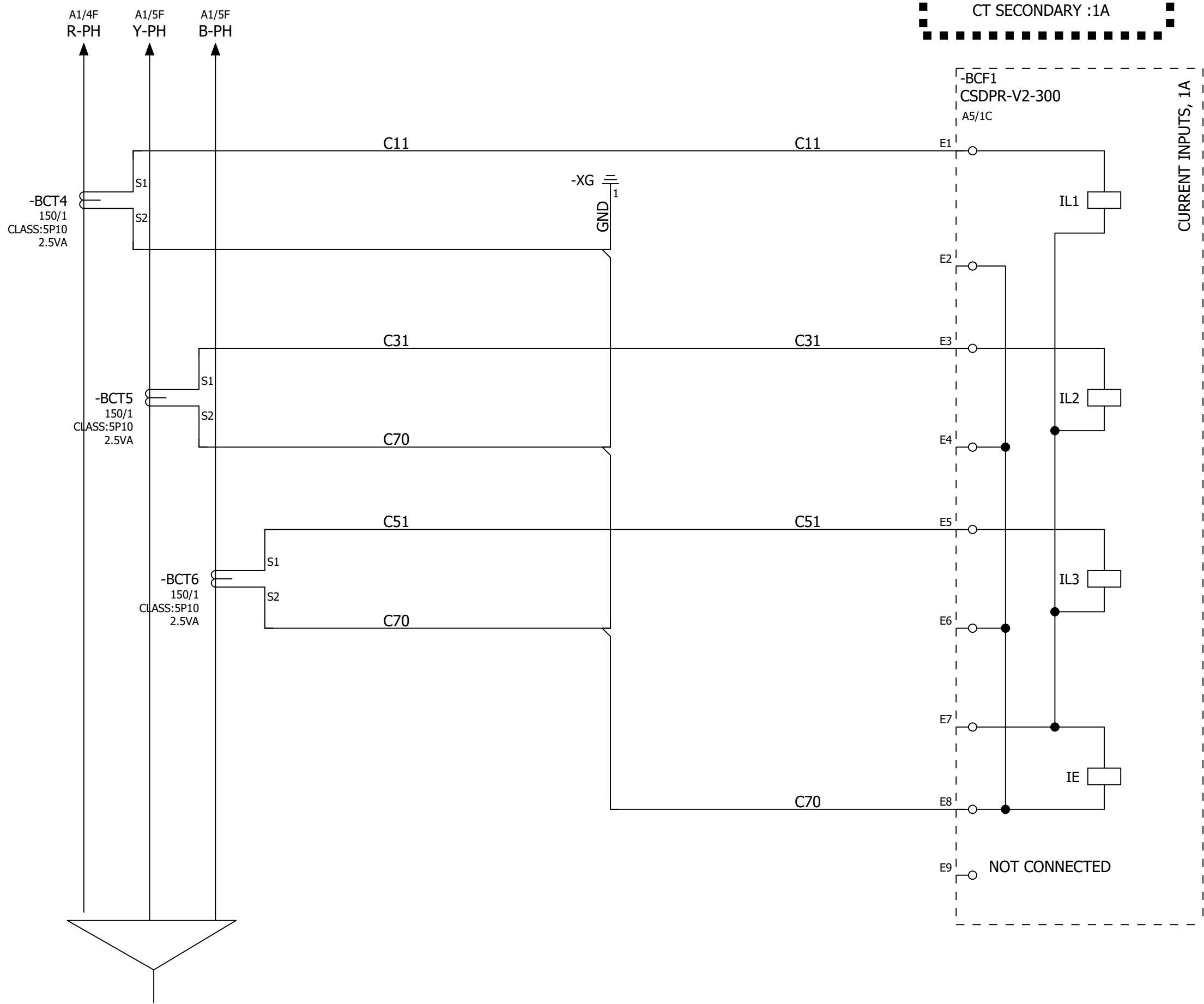
Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K01
			Checked VBW	Approved VBW	C MODULE-1	4202581022	+ BOM
			Project name		Parts list	DCC Code	Lang.
Contractor / Contract No.					 <b>India Ltd., Nashik, ELDS</b>	Doc. No.	Page Z01
Rev. Code	Date	Name				Pages	1
1							

© Copyright 2012 ABB. All rights reserved.



Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K02
			Checked VBW	Approved VBW	V MODULE	4202581022	+
			Project name		CONNECTION DIAGRAM	DCC Code	Lang.
Contractor / Contract No.					India Ltd., Nashik, ELDS	Doc. No.	Page A1
Rev. Code	Date	Name				1VYN3000113-GHG	Pages 5

© Copyright 2012 ABB. All rights reserved.



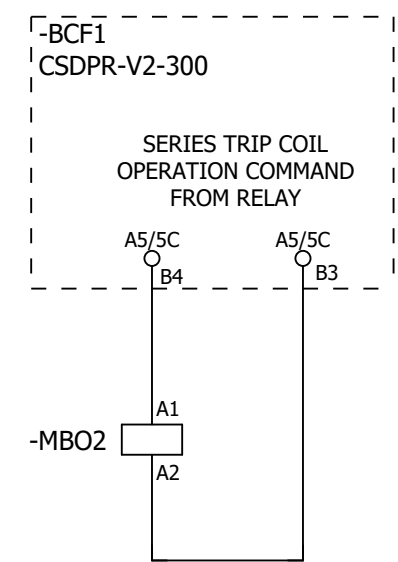
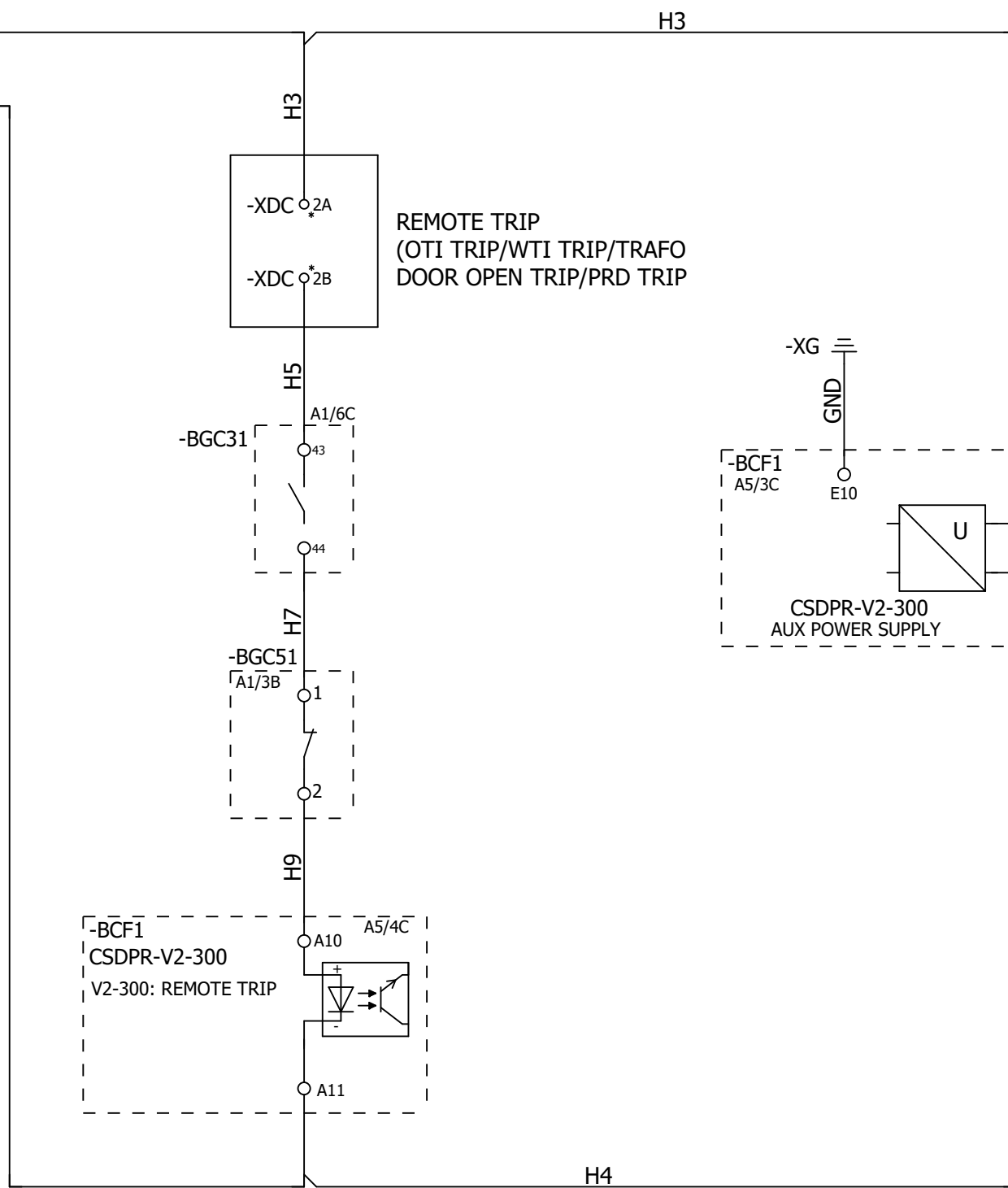
CT SECONDARY :1A

CURRENT INPUTS, 1A

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K02
			Checked VBW	Approved VBW	V MODULE	4202581022	+
			Project name		CT CIRCUIT	DCC Code	Lang.
Contractor / Contract No.					India Ltd., Nashik, ELDS	Doc. No.	Page A2
Rev. Code	Date	Name				1VYN3000113-GHG	Pages 5

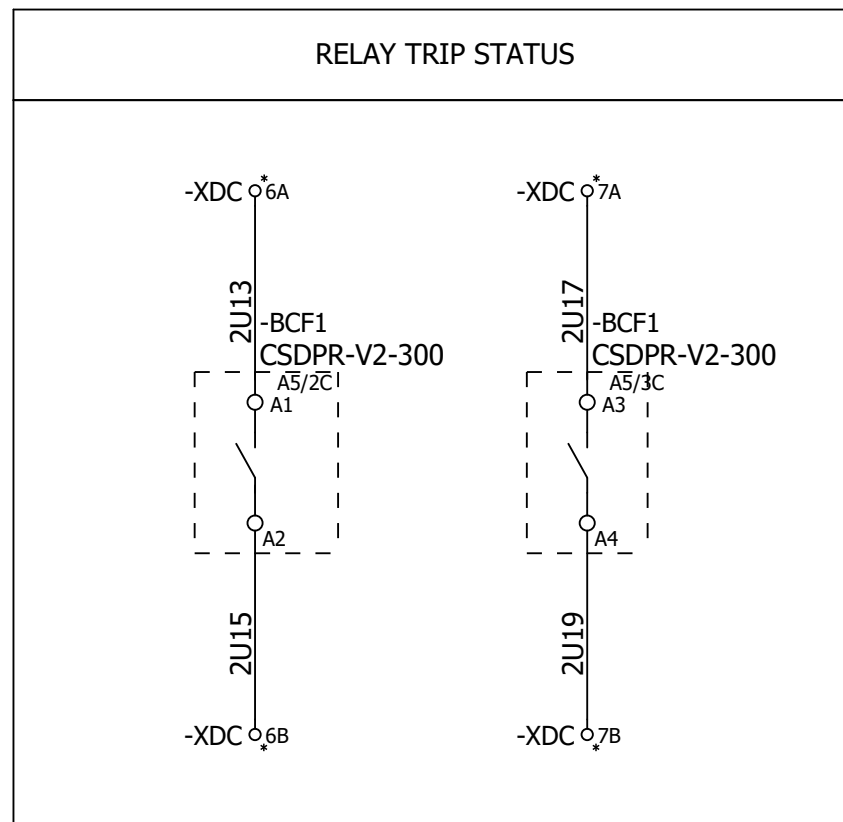
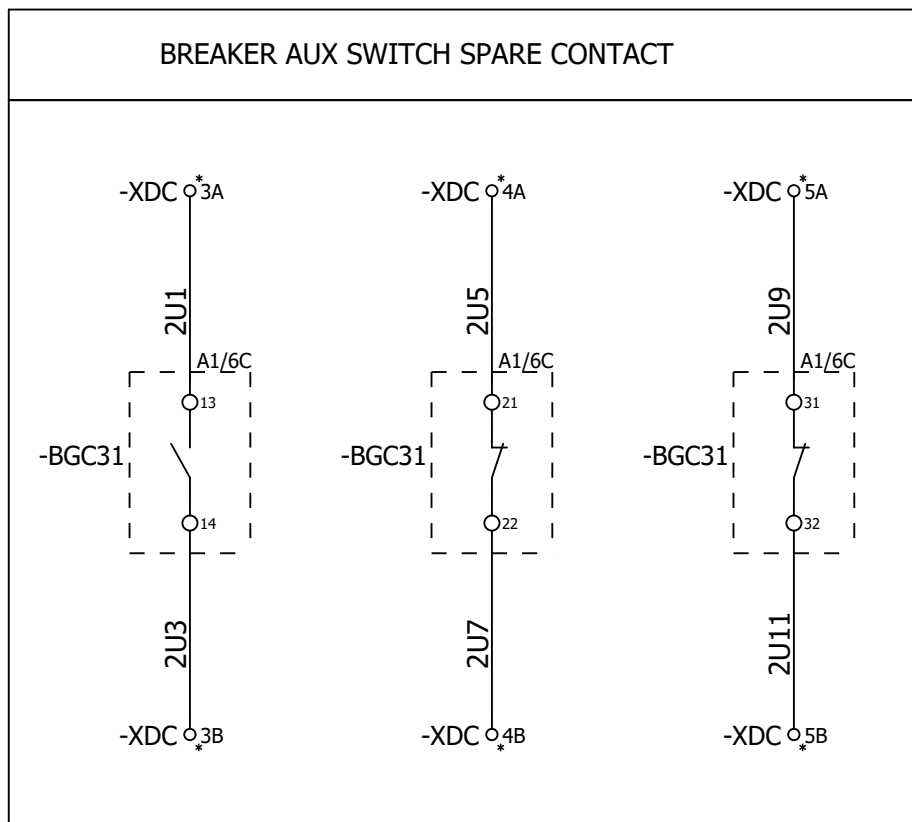
© Copyright 2012 ABB. All rights reserved.

230V PANEL  
AC SUPPLY IN  
CUSTOMER SCOPE



Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K02
			Checked VBW	Approved VBW	V MODULE	4202581022	+
			Project name		CONTROL CIRCUIT	DCC Code	Lang.
Contractor / Contract No.					India Ltd., Nashik, ELDS	Doc. No.	Page A3
Rev. Code	Date	Name				1VYN3000113-GHG	Pages 5

© Copyright 2012 ABB. All rights reserved.



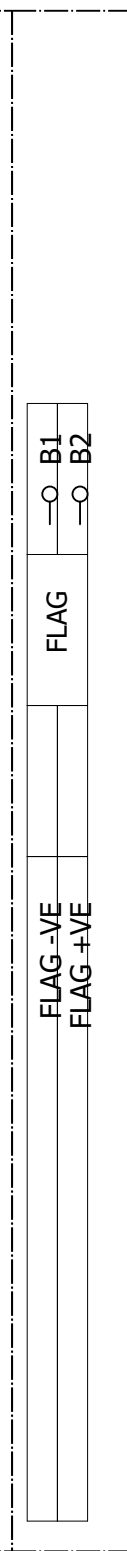
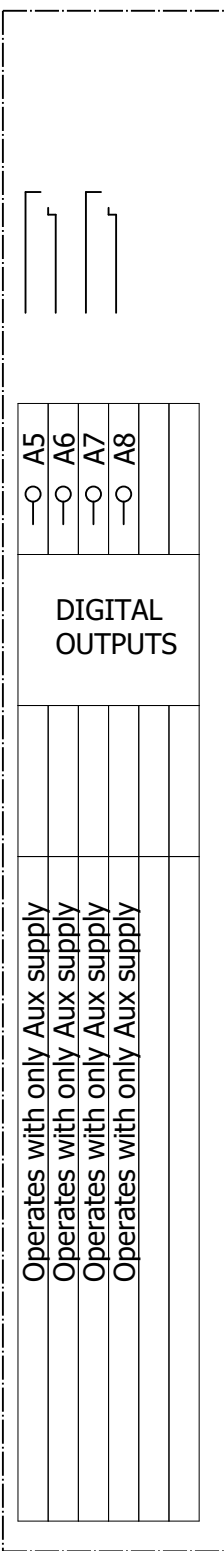
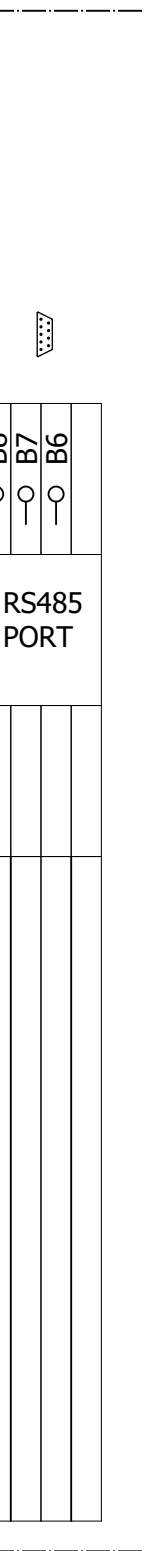
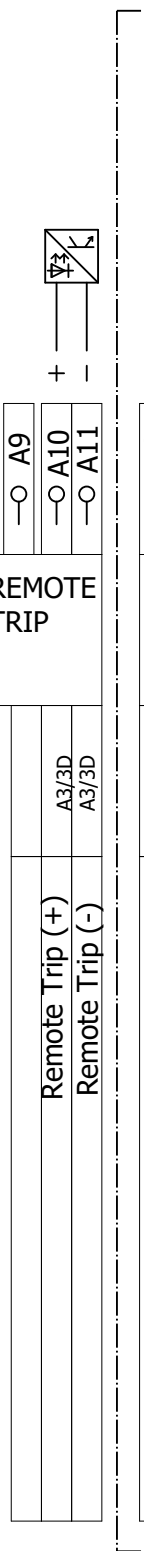
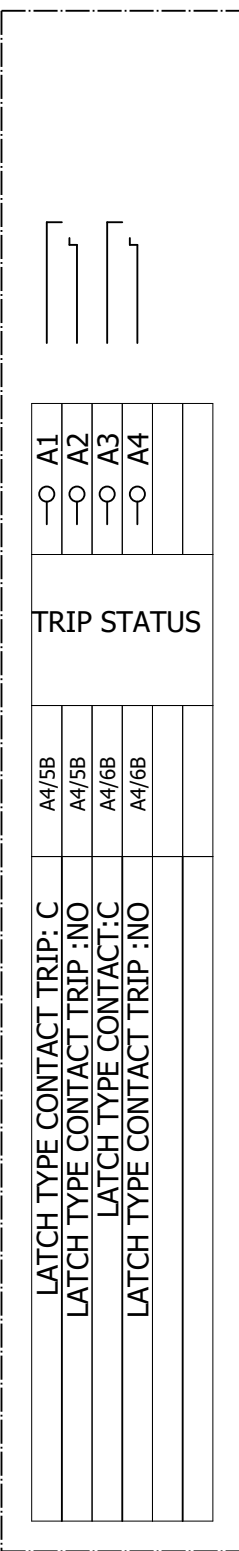
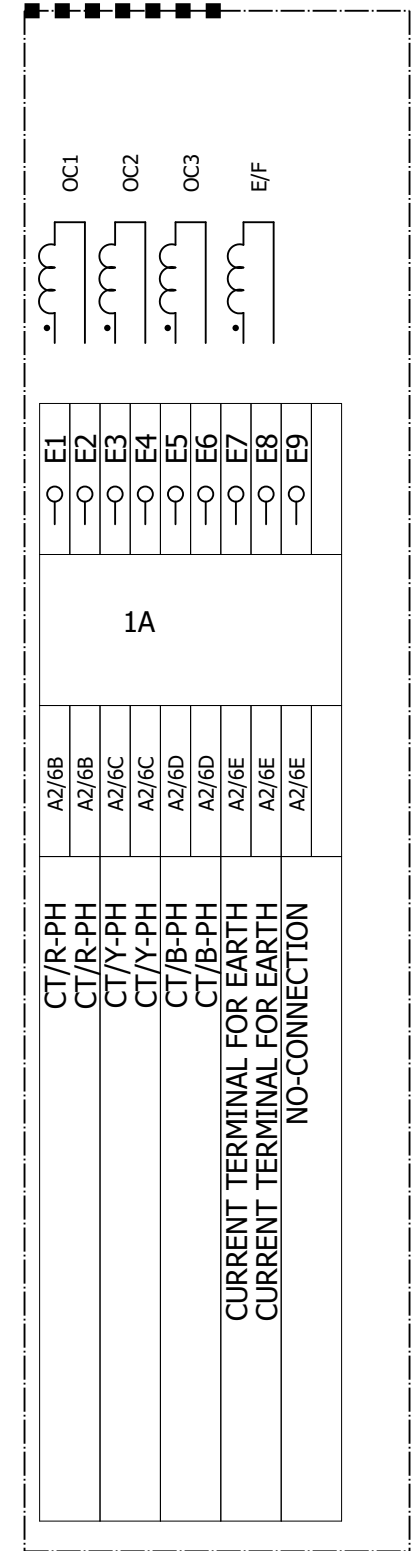
Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K02
			Checked VBW	Approved VBW	V MODULE	4202581022	+
			Project name		SPARE CONTACT	DCC Code	Lang.
Contractor / Contract No.					India Ltd., Nashik, ELDS	Doc. No.	Page A4
Rev. Code	Date	Name				1VYN3000113-GHG	Pages 5



# CSDPR V2 300

-BCF1

## CSDPR-V2-300 : O/C & E/F NUMERICAL RELAY



C&S


Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K02
			Checked VBW	Approved VBW	V MODULE	4202581022	+
Contractor / Contract No.			Project name		RELAY DIAGRAM	DCC Code	Lang.
Rev. Code	Date	Name			India Ltd., Nashik, ELDS	Doc. No.	Page A5
1						1VYN3000113-GHG	Pages 5

**Parts list: K02 V MODULE**

**NOTE:** CAB:CABLE COMPARTMENT  
 LVT:LOW VOLTAGE COMPARTMENT-TOP  
 LVL:LOW VOLTAGE COMPARTMENT-LEFT SIDE  
 LVR:LOW VOLTAGE COMPARTMENT- RIGHT SIDE  
 LVB:LOW VOLTAGE COMPARTMENT- BOTTOM  
 MP:METERING PANEL,  
 IM:INSIDE MIMIC,  
 MM:MODULE MECHANISM

DEVICE TAG / FUNCTION	PAGE / POSITION	MANUFACTURER	MATERIAL ORDERING CODE	MOUNTING LOCATION	MATERIAL DESCRIPTION	Quantity
-BCF1 AUX POWER SUPPLY	+A3/5B	C&S	4200798527.6004	IM	SELF POWERED NUMIRICAL PROTECTION RELAY CSDPR-V2-300-D-H-P:Aux. Supply- 85-260V/110-300VDC MODEL CSDPR-V2-300-D-H-P ,CT SEC. - 1A CAB. STYLE - SUITABLE FOR MOUNT IN ABB RMU RELAY SETTING : 20-250% FOR PHASE ,5-250% FOR E/F INST. SETTING : 50-3000% FOR PHASE 50-1500% FOR E/F MAKE : C&S	1
-PFV	+A1/2E	NAMP PING ANDA	2REA028066P0010	IM	VOLTAGE PRESENCE INDICATION SYSTEM VOLTAGE RATING : 9-15KV VPIS FOR T-Off side (68-72 pf)	1
-BGC31 VCB AUX SWITCH ON/OFF STATUS 3NO+2NC	+A1/6C	VAKRATUND	2REA016209A0001	MM	BKR Auxillary Switch 3NO / 2NC -SAFELINK	1
-BGC51 EARTH SW AUX SWITCH ON/OFF STATUS 1NO+1NC	+A1/3B	SHANGHAI FEILI	NZN000859P11	MM	AUXILLARY SWITCH S 826 E/L, 1NO+1NC.	1
-MBO2	+A3/7B	ECS	2REA025211A0001	MM	RELAY POWERED SERIES TRIP COIL FOR BREAKER MODULE	1
-BCT4 150/1 CLASS:5P10 2.5VA	+A2/1B	ERICON	4200617317.3001	T-OFF BOX	LT PROTECTION CT CTR:150/1, BURDEN ; 2.5VA CLASS: 5P10 STC: 21KA FOR 3 SEC I/L: 600/3000VOLTS CT SHALL BE SUITABLE FOR SAFELINK CB RMU	1

© Copyright 2012 ABB. All rights reserved.


Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K02
			Checked VBW	Approved VBW	V MODULE	4202581022	+ BOM
			Project name		Parts list	DCC Code	Lang.
Contractor / Contract No.					 <b>India Ltd., Nashik, ELDS</b>	Doc. No.	Page Z01
Rev. Code	Date	Name				Pages 2	
1	2	3	4	5		6	7

**Parts list: K02  
V MODULE**

**NOTE:** CAB:CABLE COMPARTMENT  
 LVT:LOW VOLTAGE COMPARTMENT-TOP  
 LVL:LOW VOLTAGE COMPARTMENT-LEFT SIDE  
 LVR:LOW VOLTAGE COMPARTMENT- RIGHT SIDE  
 LVB:LOW VOLTAGE COMPARTMENT- BOTTOM  
 MP:METERING PANEL,  
 IM:INSIDE MIMIC,  
 MM:MODULE MECHANISM

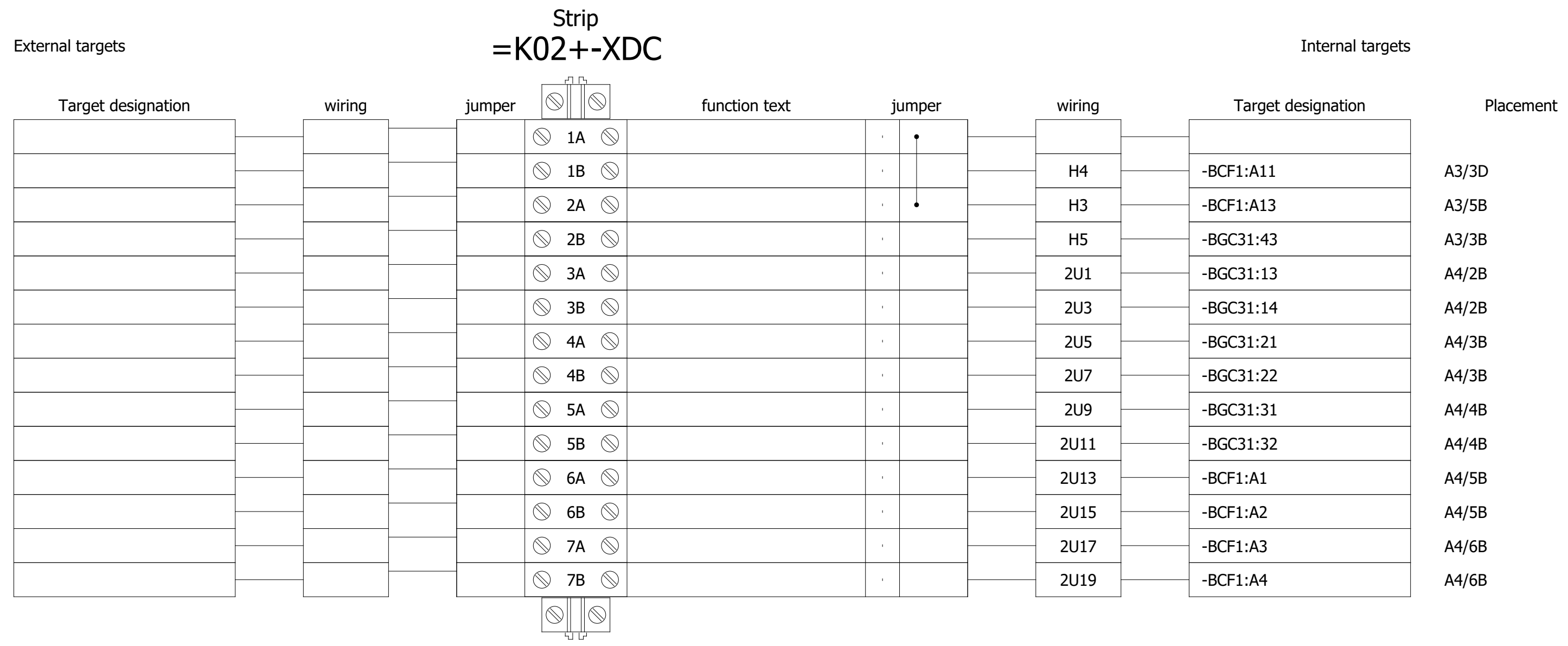
DEVICE TAG / FUNCTION	PAGE / POSITION	MANUFACTURER	MATERIAL ORDERING CODE	MOUNTING LOCATION	MATERIAL DESCRIPTION	Quantity
-BCT5 150/1 CLASS:5P10 2.5VA	+A2/2C	ERICON	4200617317.3001	T-OFF BOX	LT PROTECTION CT CTR:150/1, BURDEN ; 2.5VA CLASS: 5P10 STC: 21KA FOR 3 SEC I/L: 600/3000VOLTS CT SHALL BE SUITABLE FOR SAFELINK CB RMU	1
-BCT6 =	+A2/2D	ERICON	4200617317.3001	T-OFF BOX	LT PROTECTION CT CTR:150/1, BURDEN ; 2.5VA CLASS: 5P10 STC: 21KA FOR 3 SEC I/L: 600/3000VOLTS CT SHALL BE SUITABLE FOR SAFELINK CB RMU	1

© Copyright 2012 ABB. All rights reserved.

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K02
			Checked VBW	Approved VBW	V MODULE	4202581022	+ BOM
			Project name		Parts list	DCC Code	Lang.
Contractor / Contract No.					 <b>India Ltd., Nashik, ELDS</b>	Doc. No.	Page Z02
Rev. Code	Date	Name				Pages 2	

© Copyright 2012 ABB. All rights reserved.

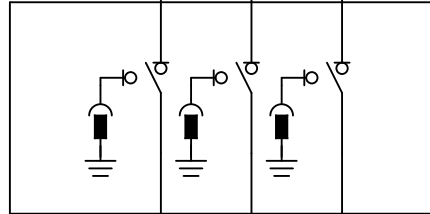
# Terminal diagram



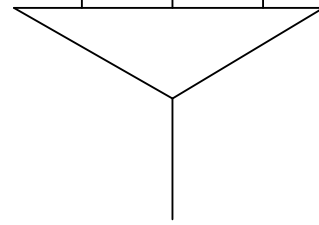
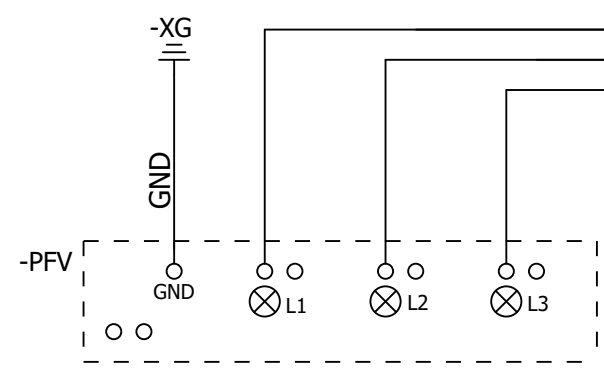
Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K02
			Checked VBW	Approved VBW	V MODULE	4202581022	+ TBPLAN
			Project name		Terminal diagram =K02+-XDC	DCC Code	Lang.
Contractor / Contract No.					India Ltd., Nashik, ELDS	Doc. No.	Page Z01
Rev. Code	Date	Name					Pages 1

© Copyright 2012 ABB. All rights reserved.

R PHASE  
 Y PHASE  
 B PHASE



SWITCH DISCONNECT  
 WITH EARTH SWITCH



Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K03
			Checked VBW	Approved VBW	C MODULE-2	4202581022	+
Contractor / Contract No.			Project name		CONNECTION DIAGRAM	Doc. No.	Lang.
Rev. Code	Date	Name			India Ltd., Nashik, ELDS	YN1V300113-GHG	Page A1
1							Pages 1

**Parts list: K03  
C MODULE-2**

**NOTE:** CAB:CABLE COMPARTMENT  
 LVT:LOW VOLTAGE COMPARTMENT-TOP  
 LVL:LOW VOLTAGE COMPARTMENT-LEFT SIDE  
 LVR:LOW VOLTAGE COMPARTMENT- RIGHT SIDE  
 LVB:LOW VOLTAGE COMPARTMENT- BOTTOM  
 MP:METERING PANEL,  
 IM:INSIDE MIMIC,  
 MM:MODULE MECHANISM

DEVICE TAG / FUNCTION	PAGE / POSITION	MANUFACTURER	MATERIAL ORDERING CODE	MOUNTING LOCATION	MATERIAL DESCRIPTION	Quantity
-PFV	+A1/2E	NAMP PING ANDA	YN1V400916-587	IM	VOLTAGE PRESENCE INDICATION SYSTEM VOLTAGE RANGE - 9-15KV	1

© Copyright 2012 ABB. All rights reserved.

Based on			Prepared SKR	Date 3/6/2022	Title	Order No	= K03
			Checked VBW	Approved VBW	C MODULE-2	4202581022	+ BOM
			Project name		Parts list	DCC Code	Lang.
Contractor / Contract No.					<b>ABB</b> India Ltd., Nashik, ELDS	Doc. No.	Page Z01
Rev. Code	Date	Name				Pages	1
1	2	3	4	5		6	7