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19	(connection diagram)	X										
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NOTES

- 1- Box Material: Enclosure material for increased safety (EExe) and industrial type JB shall be Stainless Steel. The enclosure thickness shall be 15 mm as minimum
- 2- Protection Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, EEx-d , suitable for armoured cable. The material of cable glands shall be Brass Nickel plated.
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes. The Tag plates shall be installed both on the door and inside the Box
 - Plug Material: Brass Nickel Plated.
- 7- The terminal blocks shall be Wedinmuler make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL be Blue - RAL 5015 FOR IS,
- 10- Junction box closing system shall be with dual hinged door.

LEGEND

REFERENCE DRAWING	DRG. No.
PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003

KEY PLAN

[illegible]

— NOTES:

FRS: FIRE RESISTANT CABLE

C: CORE

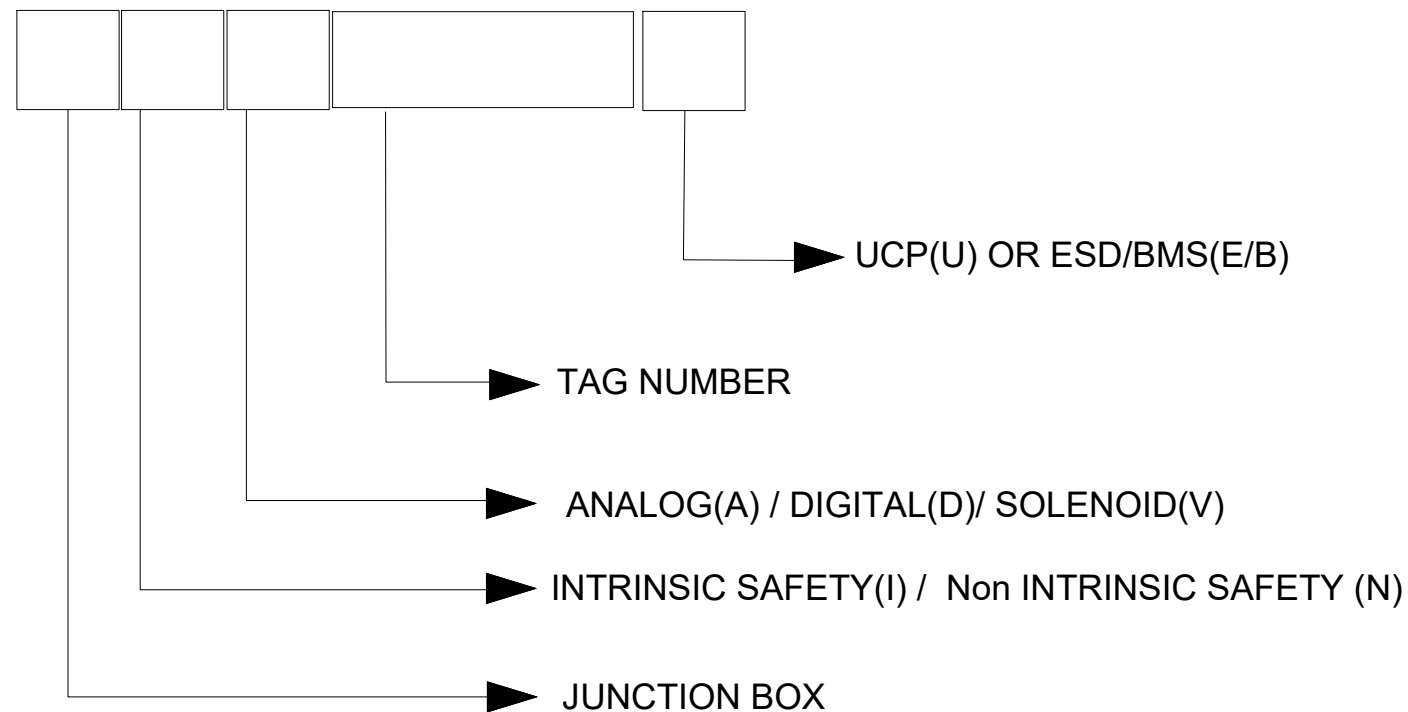
WH: WHITE

BK: BLACK

S: SCREEN

OSH: SCREEN

– INSTRUMENT JUNCTION BOX & MULTI-CABLE NUMBERING SYSTEM:



NOTES	
1-	Box Material: Enclosure material for increased safety (EEx) and industrial type JB shall be Stainless Steel. The enclosure thickness shall be 15 mm as minimum
2-	Protection Ex e IIB T4
3-	Ingress Protection: IP 65
4-	Cable Gland: The cable gland shall be double seal cable gland, EEx-d, suitable for armoured cable. The material of cable glands shall be Brass Nickel plated.
5-	Label: A proper engraved, 100x50mm dimensioned plastic Tag plate shall be permanently attached to all Junction Boxes, The Tag plates shall be installed both on the door and inside the Box
6-	Plug Material: Brass Nickel Plated
7-	The terminal boxes shall be Weidmüller make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
8-	Terminals in intrinsically safe circuits shall be light blue color.
9-	Junction Box EXTERNAL COLOUR SHALL be Blue - RAL 5015 FOR IS.
10-	Junction box closing system shall be with dual hinged door.

LEGEND	
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REFERENCE DRAWING	DRG. No.
PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003

KEY PLAN

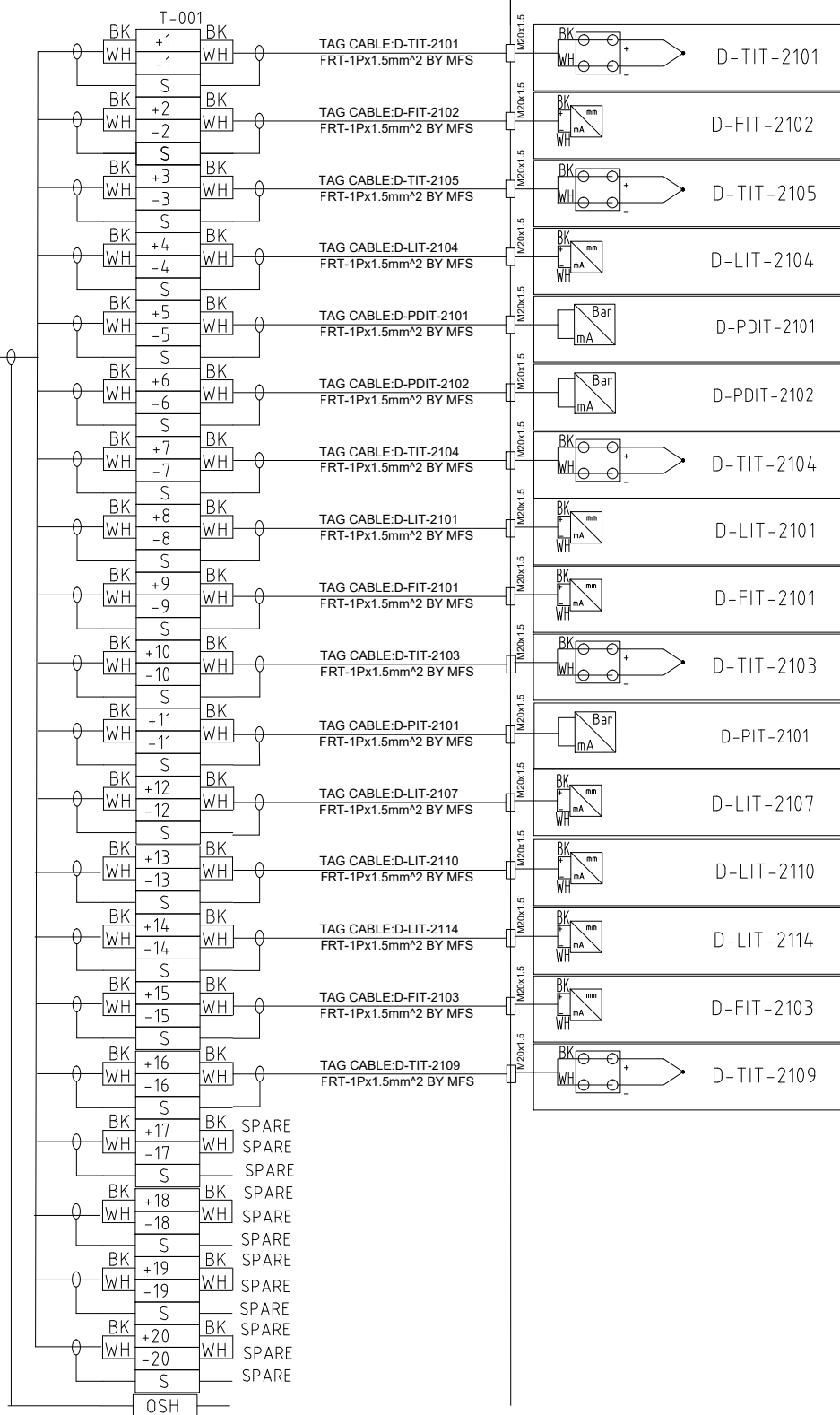
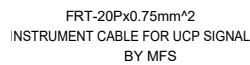
[illegible]

JUNCTION BOX FOR ANALOG INPUT SIGNAL
TAG No. JBIA-2101U

NOTES

- 1- Box Material: Enclosure material for increased safety (EEx) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, Ex-d-, suitable for armored cable. The material of cable glands shall be Brass Nickel plated
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes, the Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated
- 7- Terminal Strips: The terminal strips shall be Vde-muster make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL be Blue - RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinge door.

LEGEND



REFERENCE DRAWING	DRG. No.
PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003

KEY PLAN

[illegible]

Technical drawing of the JBIA-2101U box. The drawing shows the front panel with a central label that reads "THIS BOX CONTAINS IS CIRCUITS". Above this label is a smaller label labeled "1" that reads "EX CERTIFICATE PLATE". Below the central label is another label labeled "2" that reads "JBIA-2101U". The drawing includes dimensions: a height of 405 and a width of 342 (inner) and 420 (outer). The box has a handle on the left side and a latch on the right side.

315

Technical drawing of a bolt and nut assembly. The bolt is labeled 'A' and the nut is labeled 'B'. A dimension line points to the bolt head with the label 'M10'.

ITEM	DESCRIPTION	QTY	TAG NO.
1	NAME PLATE	/	/
2	TAG NUMBER	/	JBIA-2101U
3	TERMINAL STRIPS 2.5mm*2	61	T-001

CABLE GLAND			
ITEM	SIZE	TYPE	DESCRIPTION
A	M32x1.5	CABLE GLAND	INSTRUMENT CABLE FOR UCP SIGNAL FRT-20Px0.75mm ²
B	M32x1.5	PLUG	SPARE
C	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
D	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
E	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
F	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
G	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
H	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
I	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
J	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm ²
K	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
L	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
M	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
N	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
O	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
P	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm ²
Q	M20x1.5	PLUG	SPARE
R	M20x1.5	PLUG	SPARE
S	M20x1.5	PLUG	SPARE
T	M20x1.5	PLUG	SPARE
U	M20x1.5	PLUG	SPARE
V	M20x1.5	PLUG	SPARE

(SCALE 1:2)

- 1- Box Material: Enclosure material for increased safety (EExe) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection: Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, EEx-e-d, suitable for armoured cable. The material of cable glands shall be Brass Nickel plated.
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes, The Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass, Nickel Plated.
- 7- The terminal board shall be Wedimulter make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL BE Blue - RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinged door.

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DRG. No.

PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
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INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003
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INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003
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KEY PLAN

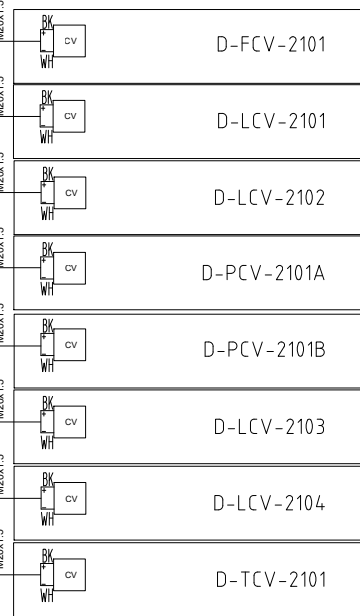
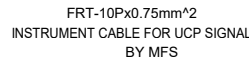
[illegible]

JUNCTION BOX FOR ANALOG OUTPUT SIGNAL
TAG No. JBIA-2103U

NOTES

- 1- Box Material: Enclosure material for increased safety (IEEx) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection: Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, Ex-e-d , suitable for armoured cable. The material of cable glands shall be Brass Nickel plated
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes. The Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated
- 7- The terminal blocks shall be Weidmüller make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL be Blue - RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinged door.

LEGEND



KEY PLAN

[illegible]

Technical drawing of the JBIA-2103U circuit box. The drawing shows the front panel with a central label that reads "THIS BOX CONTAINS IS CIRCUITS". Above the label is a smaller label that reads "EX CERTIFICATE PLATE". The box has a height of 405 mm and a width of 342 mm. The overall width including the mounting brackets is 420 mm. The drawing also shows the internal components, including a terminal block and a fuse holder.

ITEM	DESCRIPTION	QTY	TAG NO.
1	NAME PLATE	/	/
2	TAG NUMBER	/	JBIA-2103U
3	TERMINAL STRIPS 2.5mm*2	31	T-003

ITEM	SIZE	TYPE	DESCRIPTION
A	M32x1.5	CABLE GLAND	INSTRUMENT CABLE FOR UCP SIGNAL FRT-10Px0.75mm*2
B	M32x1.5	PLUG	SPARE
C	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm*2
D	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm*2
E	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm*2
F	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm*2
G	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm*2
H	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm*2
I	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm*2
J	M20x1.5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm*2
K	M20x1.5	PLUG	SPARE
L	M20x1.5	PLUG	SPARE

SEE DETAIL "A"

Technical drawing of a window assembly. The main view is a cross-section of a multi-pane window. The window is composed of multiple panes, each labeled with a number (1 through 10) and a letter (A through J). The panes are arranged in a grid. The window is shown in a closed position. A label "SEE DETAIL 'A'" with an arrow points to the top edge of the window frame. Below the window, there is a vertical rectangular element with two circular openings, likely a door or a panel. To the left of the main window, there is a small detail view showing a cross-section of a single pane or frame component.

(SCALE 1 : 2)

Text Font : Arial
Tag Font Size : 10mm
Text Color : Black
Tag plate material : laminated plastic
Tag plate Background : Blue
Tag plate dimension : 100 mm x 50 mm

- 1- Box Material: Enclosure material for increased safety (EExe) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection: Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, Ex-e-d, suitable for armoured cable. The material of cable glands shall be Brass Nickel plated
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes, the Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated
- 7- The terminal block shall be Wedgmutter like (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide)
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL BE Blue -RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinged door.

DRG. No.

PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
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INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003
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INFO CONT OF SIGNAL LIST	BR 000 INF-1201 R11 0000

REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	

[illegible]

FIELD

NOTES

- 1- Box Material: Enclosure material for increased safety (EXel) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gable shall be double seal cable gland, EX-e , suitable for armoured cable. The material of cable glands shall be Brass Nickel plated.
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes, the Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated.
- 7- The terminal blocks shall be Weidmüller make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
- 8- Terminals in intrinsically safe circuit shall be light blue color.
- 9- Junction Box EXTERNAL COLOR SHALL BE Blue - RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinge door.

LEGEND

REFERENCE DRAWING	DRG. No.
PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003

KEY PLAY

[illegible]

EXTERNAL FRONT VIEW

CABLE GLAND

NOTES
1- Box Material: Enclosure material for increased safety (ExEex) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum 2- Protection: Ex e IIB T4 3- Ingress Protection: IP 65 4- Cable Gland: The cable gland shall be double seal cable gland, ExEex-d , suitable for armoured cable. The material of cable glands shall be Brass Nickel plated. 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes, The Tag plates shall be installed both on the door and inside the Box 6- Plug Material: Brass Nickel Plated. 7- The terminal blocks shall be Weddumler make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide). 8- Terminals in intrinsically safe circuits shall be light blue color. 9- Junction Box EXTERNAL (COLOUR SHALL be Blue - RAL 5015 FOR IS. 10- Junction box closing system shall be with dual hinged door.

LEGEND



SEE DETAIL "A"



(SCALE 1 : 2)

Tag plate's specification:

Text Font	: Arial
Tag Font Size	: 10mm
Text Color	: Black
Tag plate material	: laminated plastic
Tag plate Background	: Blue
Tag plate dimension	: 100 mm x 50 mm

M10

KEY PLAN



FIELD



LEGEND

KEY PLAN

[illegible]

Technical drawing of a door assembly. The door is 315mm wide. On the left side, there is a handle and lock assembly. The door features a grid of 16 hexagonal cutouts arranged in 4 rows and 4 columns. The cutouts are labeled with letters: Q, O, P, M, N in the top row; I, L in the second row; I, J in the third row; G, H in the fourth row; E, F in the fifth row; and C, D in the sixth row. A dimension line at the bottom indicates a width of 315mm.

Technical drawing of a mechanical part. The part has a rectangular body with a hexagonal feature on the front face. The hexagonal feature is labeled 'M10' with a leader line pointing to it. The hexagonal feature is a hexagon with a circle inside, and a smaller hexagon inside the circle. The hexagonal feature is labeled 'M10' with a leader line pointing to it. The hexagonal feature is labeled 'M10' with a leader line pointing to it.

SEE DETAIL "A"

0

0

Technical drawing of a vertical assembly. The main component is a long, narrow rectangular block with a series of horizontal slots or channels. A callout line points from the text "SEE DETAIL "A"" to the top of this block. Below the main block is a smaller rectangular block with two circular features. A small detail view is shown in the bottom left corner, consisting of a small rectangle with a horizontal line through it.

ITEM	DESCRIPTION	QTY	TAG NO.
1	NAME PLATE	/	/
2	TAG NUMBER	/	JBNV-2105E/B
3	TERMINAL STRIPS 2.5mm*2	46	T-005

ITEM	SIZE	TYPE	DESCRIPTION
A	M32x1,5	CABLE GLAND	INSTRUMENT CABLE FOR BMS/ESD SIGNAL FRS-15Px2.5mm*2
B	M32x1,5	PLUG	SPARE
C	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
D	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
E	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
F	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
G	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
H	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
I	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
J	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
K	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
L	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px2.5mm*2
M	M20x1,5	PLUG	SPARE
N	M20x1,5	PLUG	SPARE
O	M20x1,5	PLUG	SPARE
P	M20x1,5	PLUG	SPARE
Q	M20x1,5	PLUG	SPARE

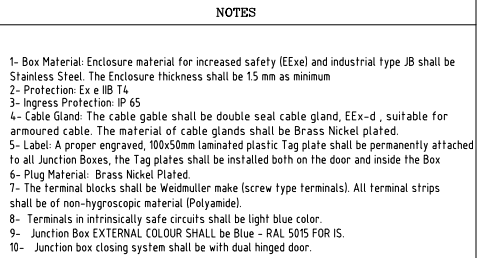
- 1- Box Material: Enclosure material for increased safety (ExeE) and industrial type JB shall be Stainless Steel. The enclosure thickness shall be 15 mm as minimum
- 2- Protection Exe e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, Exe-d, suitable for armoured cable. The material of cable glands shall be Brass Nickel plated
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes, The Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated
- 7- The terminal blocks shall be Wedmuller make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL be Blue - RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinged door.

[illegible]

PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003

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LEGEND

KEY PLAN

[illegible]

Technical drawing of the front panel of the JBND-2106U terminal block. The panel is rectangular with a height of 405 mm and a width of 420 mm (342 mm for the main body). It features a central label that reads "THIS BOX CONTAINS NIS CIRCUITS". Above the label is a smaller label area marked with a circled "1" and labeled "EX CERTIFICATE PLATE". Below the label is another label area marked with a circled "2" and labeled "JBND-2106U". The panel has four mounting holes (two on the left, two on the right) and a central locking mechanism.

315

M10

SEE DETAIL "A"

0

Text Font	: Arial
Tag Font Size	: 10mm
Text Color	: Black
Tag plate material	: laminated plastic
Tag plate Background	: Blue
Tag plate dimension	: 100 mm x 50 mm

M10

ITEM	DESCRIPTION	QTY	TAG NO.
1	NAME PLATE	/	/
2	TAG NUMBER	/	JBND-2106U
3	TERMINAL STRIPS 2.5mm*2	61	T-006

ITEM	SIZE	TYPE	DESCRIPTION
A	M32x1,5	CABLE GLAND	INSTRUMENT CABLE FOR BMS/ESD SIGNAL FRT-20Px0.75mm²2
B	M32x1,5	PLUG	SPARE
C	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
D	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
E	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
F	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
G	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
H	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
I	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
J	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm²2
K	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
L	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
M	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
N	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
O	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
P	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
Q	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
R	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-1Px1.5mm²2
S	M20x1,5	PLUG	SPARE
T	M20x1,5	PLUG	SPARE
U	M20x1,5	PLUG	SPARE
V	M20x1,5	PLUG	SPARE

- 1- Box Material: Enclosed material for increased safety (Exel) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection Exe or IIB T4
- 3- Ingress Protection IP 65
- 4- Cable Gland: The cable glands shall be double seal cable gland, Ex-d, suitable for armoured cable. The material of cable glands shall be Brass Nickel plated.
- 5- Label: A proper engraved, 100x50mm laminated plastic tag plate shall be permanently attached to all Junction Boxes, the Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated.
- 7- The terminal blocks shall be Weidmüller make (screw type terminals). All terminal strips shall be of non-hygroscopic material [Polyamide].
- 8- Terminals in intrinsically safe circuits shall be light blue color
- 9- Junction Box EXTERNAL COLOUR SHALL BE Blue - RAL 5015 FOR IS
- 10- Junction box closing system shall be with dual hingee door.

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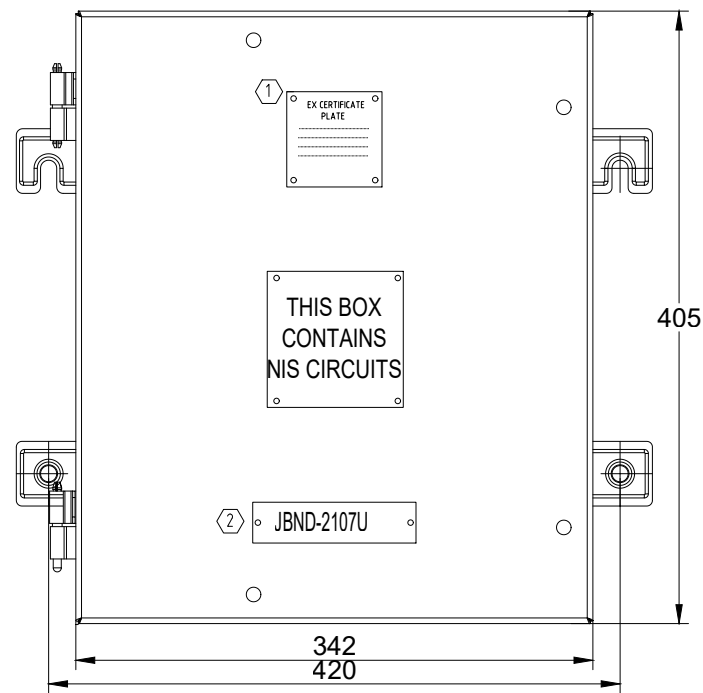
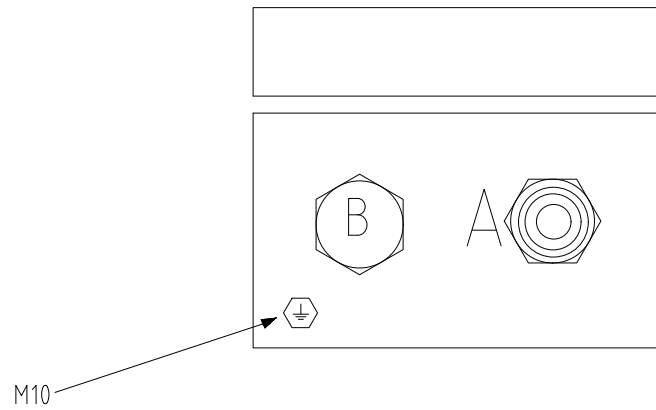
DATE	SCALE	DRAWING BY	CHECKED BY	PROJECT ENG.
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APPROVED FOR CONSTRUCTION				BY:	DATE:	
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.	SHEET	REVISION

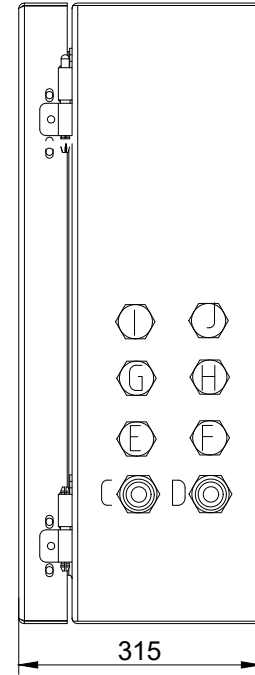


JUNCTION BOX FOR DIGITAL INPUT
TAG No. = JBND-2107U
EXTERNAL FRONT VIEW

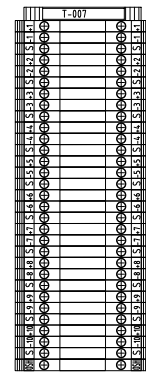
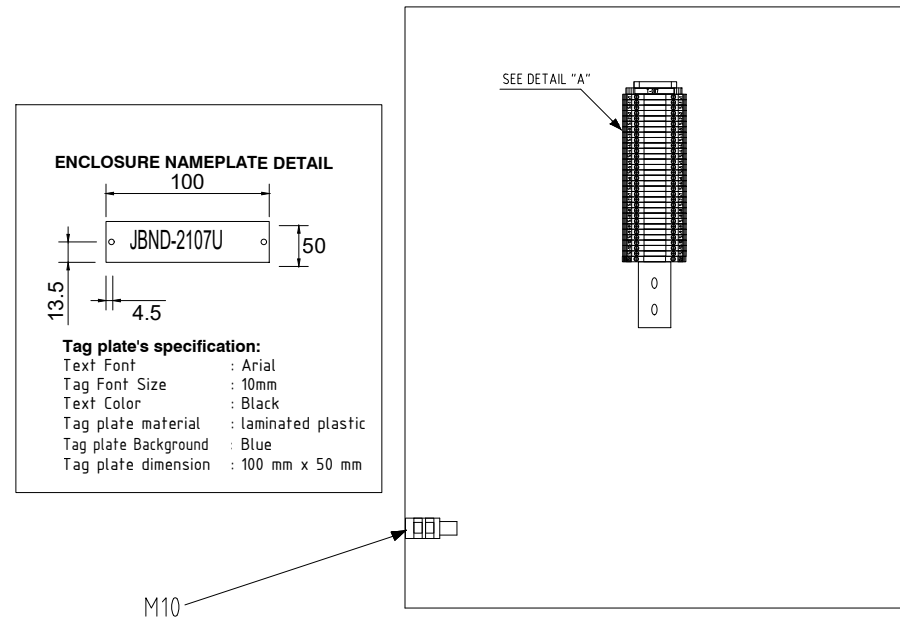
BOTTOM VIEW



RIGHT VIEW



INTERNAL FRONT VIEW



DETAIL "A"
(SCALE 1:2)

ENCLOSURE EXTERNAL COMPONENTS

ITEM	DESCRIPTION	QTY	TAG NO.
1	NAME PLATE	/	/
2	TAG NUMBER	/	JBND-2107U
3	TERMINAL STRIPS 2.5mm*2	31	T-007

CABLE GLAND

ITEM	SIZE	TYPE	DESCRIPTION
A	M32x1,5	CABLE GLAND	INSTRUMENT CABLE FOR UCP SIGNAL FRT-10Px0.75mm ²
B	M32x1,5	PLUG	SPARE
C	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-2Px1.5mm ²
D	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRT-2Px1.5mm ²
E	M20x1,5	PLUG	SPARE
F	M20x1,5	PLUG	SPARE
G	M20x1,5	PLUG	SPARE
H	M20x1,5	PLUG	SPARE
I	M20x1,5	PLUG	SPARE
J	M20x1,5	PLUG	SPARE

NOTES

- 1- Box Material: Enclosure material for increased safety (EExe) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection: Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, Ex-e-d, suitable for armoured cable. The material of cable glands shall be Brass Nickel plated
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes, The Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated
- 7- The terminal blocks shall be Wedgmutter like (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide)
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL BE Blue -RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinged door.

LEGEND

REFERENCE DRAWING	DRG. No.
PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003

KEY PLAN

[illegible]

JUNCTION BOX FOR ANALOG INPUT SIGNAL
TAG No. JBIA-2108E/B

NOTES

- 1- Box Material: Enclosure material for increased safety (Ecxel and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gable shall be double seal cable gland, Ex-eV-, suitable for armoured cable. The material of cable glands shall be Brass Nickel plated.
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes, the Tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated.
- 7- The terminal blocks shall be Weddumeter make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide)
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL be Blue - RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinged door.

LEGEND

REFERENCE DRAWING	DRG. No.
PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003

KEY PLAN

[illegible]

Technical drawing of the front panel of a circuit breaker. The panel is rectangular with a width of 342mm and a height of 405mm. It features a central label that reads "THIS BOX CONTAINS IS CIRCUITS". Above this label is a smaller label with the text "EX CERTIFICATE PLATE" and a dashed line indicating a mounting point. Below the central label is another label with the text "JB1A-2108E/B". The panel has a handle on the right side and a locking mechanism at the bottom right. Dimensions are indicated by arrows: 342mm for the width and 405mm for the height.

ITEM	DESCRIPTION	QTY	TAG NO.
1	NAME PLATE	/	/
2	TAG NUMBER	/	JBIA-2108E/B
3	TERMINAL STRIPS 2.5mm*2	31	T-008

- 1- Box Material: Enclosure material for increased safety (EExe) and industrial type JB shall be Stainless Steel. The Enclosure Thickness shall be 15 mm as minimum
- 2- Protection Ex e IIB T4
- 3- Ingress Protection: IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, Ex-d, suitable for armoured cable. The material of cable glands shall be Brass Nickel plated.
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes. The tag plates shall be installed both on the door and inside the Box
- 6- Plug Material: Brass Nickel Plated
- 7- The terminal blocks shall be Wedgimale make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL be Blue - RAL 5015 FOR IS.
- 10- Junction box closing system shall be with dual hinged door.

DRG. No.

PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
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INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003
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REV.	DESCRIPTION	BY	DATE	BY	DATE
		CHECKED		REV. APPR.	

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DATE		SCALE		DRAWING BY		CHECKED BY		PROJECT ENG.	
NO CONSTRUCTION PERMITTED UNLESS DRAWING APPROVED									
APPROVED FOR CONSTRUCTION					BY:		DATE:		
BUDGET REF.	LOCATION	SIZE	CLASS	SERIAL NO.			SHEET	REVISION	

M10

Technical drawing of the JBIA-2108E/B component showing dimensions: 13.5, 4.5, and 50.

Tag plate's specification:

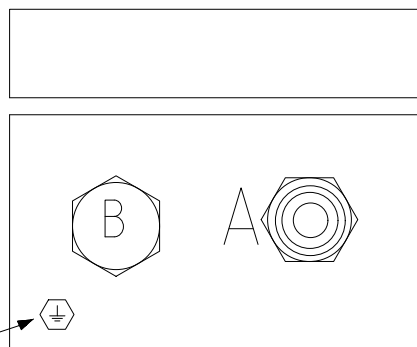
Text Font	: Arial
Tag Font Size	: 10mm
Text Color	: Black
Tag plate material	: laminated plastic
Tag plate Background	: Blue
Tag plate dimension	: 100 mm x 50 mm

ITEM	SIZE	TYPE	DESCRIPTION
A	M32x1,5	CABLE GLAND	INSTRUMENT CABLE FOR BMS/ESD SIGNAL FRS-10Px0.75mm ²
B	M32x1,5	PLUG	SPARE
C	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm ²
D	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm ²
E	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm ²
F	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm ²
G	M20x1,5	PLUG	SPARE
H	M20x1,5	PLUG	SPARE
I	M20x1,5	PLUG	SPARE
J	M20x1,5	PLUG	SPARE
K	M20x1,5	PLUG	SPARE
L	M20x1,5	PLUG	SPARE

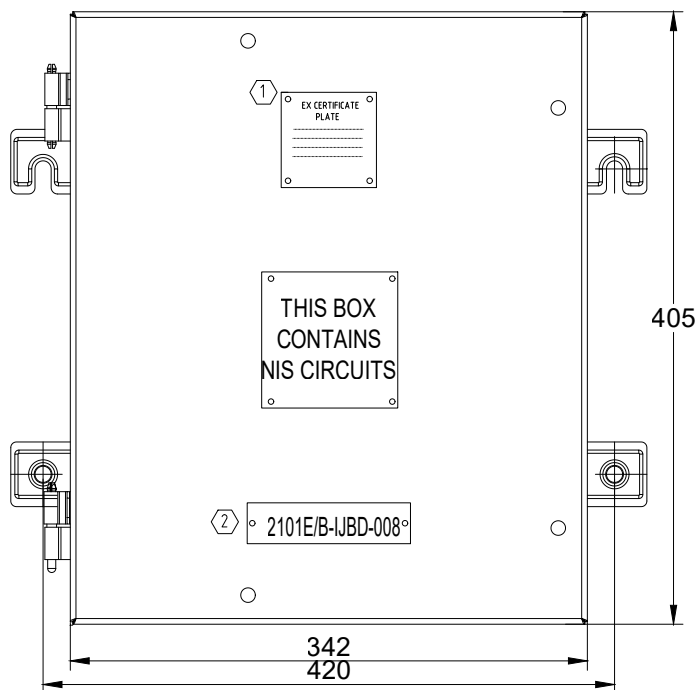
[illegible]

[illegible]

EXTERNAL FRONT VIEW



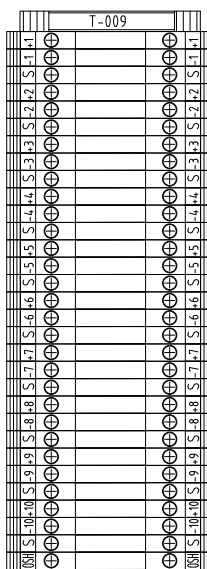
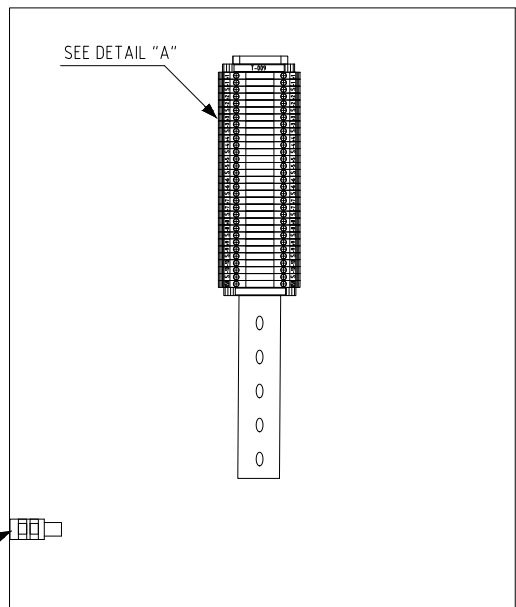
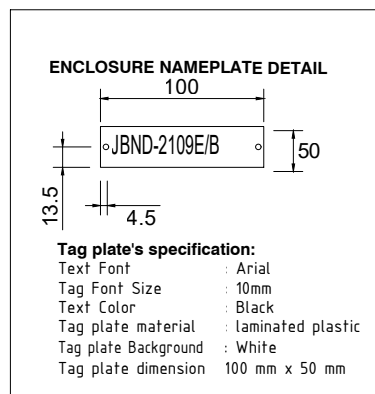
M10



ITEM	DESCRIPTION	QTY	TAG NO.
1	NAME PLATE	/	/
2	TAG NUMBER	/	JBND-2109E/B5
3	TERMINAL STRIPS 2.5mm*2	31	T-009

ITEM	SIZE	TYPE	DESCRIPTION
A	M32x1,5	CABLE GLAND	INSTRUMENT CABLE FOR BMS/ESD SIGNAL FRS-5Px0.75mm*2
B	M32x1,5	PLUG	SPARE
C	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm*2
D	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm*2
E	M20x1,5	CABLE GLAND	INSTRUMENT CABLE FRS-1Px1.5mm*2
F	M20x1,5	PLUG	SPARE
G	M20x1,5	PLUG	SPARE

SEE DETAIL "A"



DETAIL "A"
(SCALE 1:2)

NOTES

- 1- Box Material: Enclosure material for increased safety (EXe) and industrial type JB shall be Stainless Steel. The Enclosure thickness shall be 15 mm as minimum
- 2- Protection Ex e IIB T4
- 3- Ingress Protection IP 65
- 4- Cable Gland: The cable gland shall be double seal cable gland, EX-e-d, suitable for armoured cable. The material of cable glands shall be Brass Nickel Plated.
- 5- Label: A proper engraved, 100x50mm laminated plastic Tag plate shall be permanently attached to all Junction Boxes. The Tag plates shall be installed both on the door and inside the Box.
- 6- Plug Material: Brass Nickel Plated.
- 7- The terminal blocks shall be Weidmuller make (screw type terminals). All terminal strips shall be of non-hygroscopic material (Polyamide).
- 8- Terminals in intrinsically safe circuits shall be light blue color.
- 9- Junction Box EXTERNAL COLOUR SHALL BE BLUE -RAL 5015 FOR FIS.
- 10- Junction box closing system shall be with dual hinged door.

LEGEND

REFERENCE DRAWING	DRG. No.
PIPING & INSTRUMENTATION DIAGRAM FOR GAS DEHYDRATION PACKAGE	BK-GCS-MF-120-IN-LI-0002
INPUT-OUTPUT SIGNAL LIST	BK-GCS-MF-120-PR-PI-0003

KEY PLAN

[illegible]