BASE LOAD POWER HUB (BLPH)

GENERAL ARRANGEMENTS INCLUDING

DETAIL DRAWINGS, NAME PLATE DRAWINGS,

WIRING DIAGRAM, HOOK-UP

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
FRONT PAGE

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 001

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

REV.	SHEET NUMBER	DESCRIPTION	REF. CODE
03	001	FRONT PAGE	
03	002	SUMMARY and GENERAL NOTES	
03	003	HIGH PERFORMANCE OPTICAL SMOKE DETECTOR	
02	004	HIGH PERFORMANCE OPTICAL SMOKE DETECTOR - TAG	
02	005	HYDROGEN POINT DETECTOR / PIPE MOUNTING	
03	006	HYDROGEN POINT DETECTOR / PIPE MOUNTING - TAG	
02	007	HYDROGEN POINT DETECTOR / WALL MOUNTING	
02	008	HYDROGEN POINT DETECTOR / WALL MOUNTING - TAG	
02	009	HYDROGEN ULTRASONIC LEAK DETECTOR / PIPE MOUNTING	
02	010	HYDROGEN ULTRASONIC LEAK DETECTOR / PIPE MOUNTING - TAG	
02	011	OXYGEN POINT DETECTOR / PIPE MOUNTING	
02	012	OXYGEN POINT DETECTOR / PIPE MOUNTING - TAG	
02	013	FLAME DETECTOR / 2" PIPE MOUNTING	
03	014	FLAME DETECTOR / 2" PIPE MOUNTING - TAG	
02	015	MANUAL CALL POINT (MANUAL FIRE ALARM) (RED)	
02	016	MANUAL CALL POINT (MANUAL FIRE ALARM) (RED) - TAG	
02	017	MANUAL CALL POINT (PUSH BUTTON TO SIS) (YELLOW)	
02	018	MANUAL CALL POINT (PUSH BUTTON TO SIS) (YELLOW) - TAG	
02	019	GAS FLASH BEACON (AMBER)	
02	020	GAS FLASH BEACON (AMBER) - TAG	
02	021	FIRE FLASH BEACON (RED)	
02	022	FIRE FLASH BEACON (RED) - TAG	
02	023	SOUNDER	
02	024	SOUNDER - TAG	
02	025	PUSH BUTTON DPDT CONTACT	
02	026	PUSH BUTTON DPDT CONTACT - TAG	

GENERAL NOTES

1: All dimensions and elevations are in millimeters (mm), unless noted otherwise.

2: All materials not listed in the tables of each device (like installation accessories & bulk) is out of Fores scope of work.

3: All bulk materials (screws, nuts, bolts, etc.) for F&G devices installation is out of Fores scope of work.

4: All cables reported in the document are out of Fores scope of work.

5: Name plates supplied loose. The plate will be attached through steel wire or screws.

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

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03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
SUMMARY and GENERAL NOTES

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 002

REV. 03

F.to UNI A3: 420mmx297mm

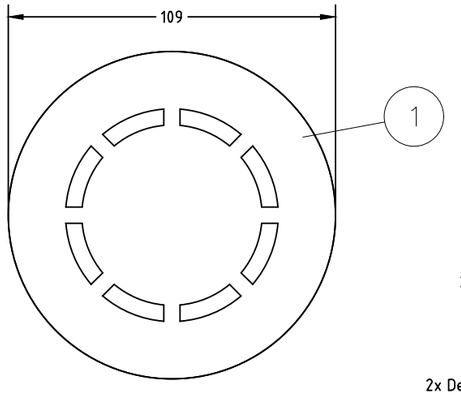
File Name : 1724000821-IN-DA-00003 Rev. 03

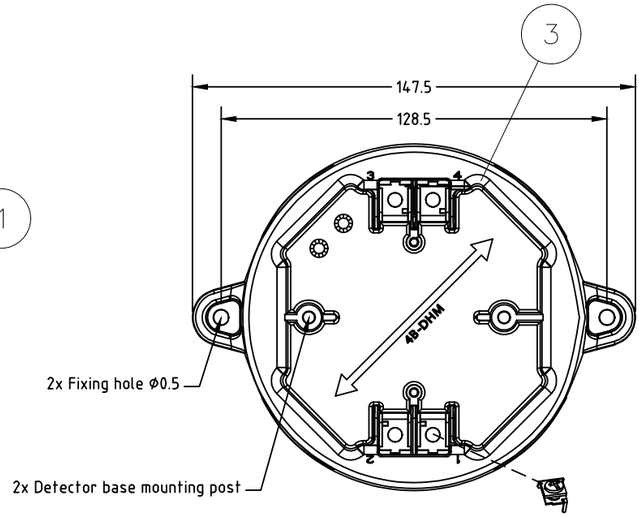
HIGH PERFORMANCE OPTICAL SMOKE DETECTOR

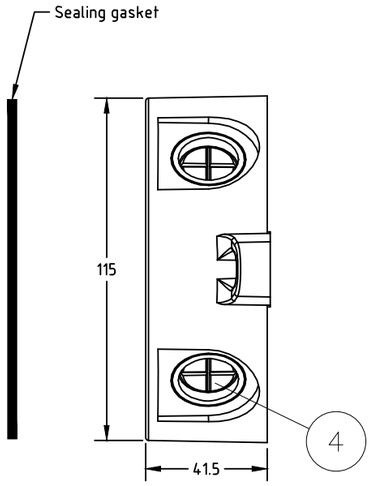
ITEM	DESCRIPTIONS	NR
1	Smoke Detector, ZETTLER MR601TEx	1
2	MUBEx Detector Base, ZETTLER	1
3	Deckhead Mounting, ZETTLER 4B-DHM	1
4	Cable Gland M20 Ex eb Polyamide	2
5	Stainless Steel Name Plate	1
6		
7		
8		
9		
10		

INSTALLATION QUANTITY

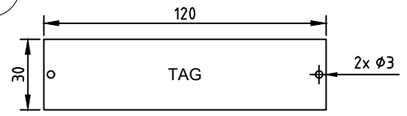
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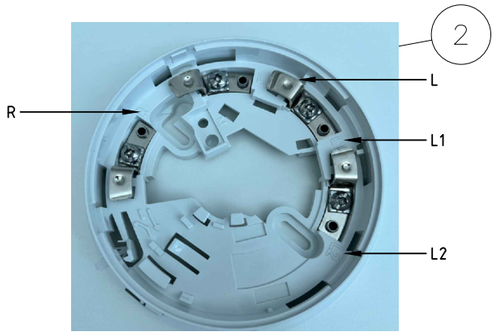




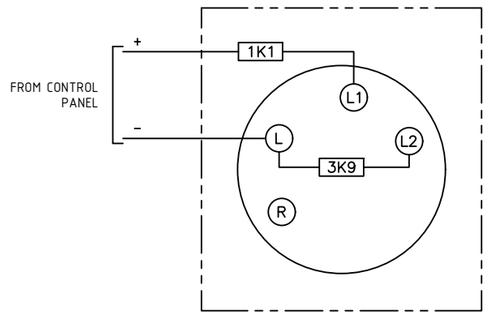
5 STAINLESS STEEL NAME PLATE DETAILS



NOTE 5



WIRING



FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
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00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
HIGH PERFORMANCE OPTICAL SMOKE DETECTOR

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 003 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

HIGH PERFORMANCE OPTICAL SMOKE DETECTOR – TAG

POS.	TAG NUMBER
1	950-SDZ-04201
2	950-SDZ-04202
3	950-SDZ-04203
4	950-SDZ-04207
5	950-SDZ-04208
6	950-SDZ-04209
7	950-SDZ-04213
8	950-SDZ-04214
9	950-SDZ-04215
10	950-SDZ-06201
11	950-SDZ-06202
12	950-SDZ-06203
13	950-SDZ-04204
14	950-SDZ-04205
15	950-SDZ-04206
16	950-SDZ-04210
17	950-SDZ-04211
18	950-SDZ-04212
19	950-SDZ-04216
20	950-SDZ-04217
21	950-SDZ-04218
22	950-SDZ-06204
23	950-SDZ-06205
24	950-SDZ-06206

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
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01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
HIGH PERFORMANCE OPTICAL SMOKE DETECTOR – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 004 | REV. 03

F.to UNI A3: 420mmx297mm

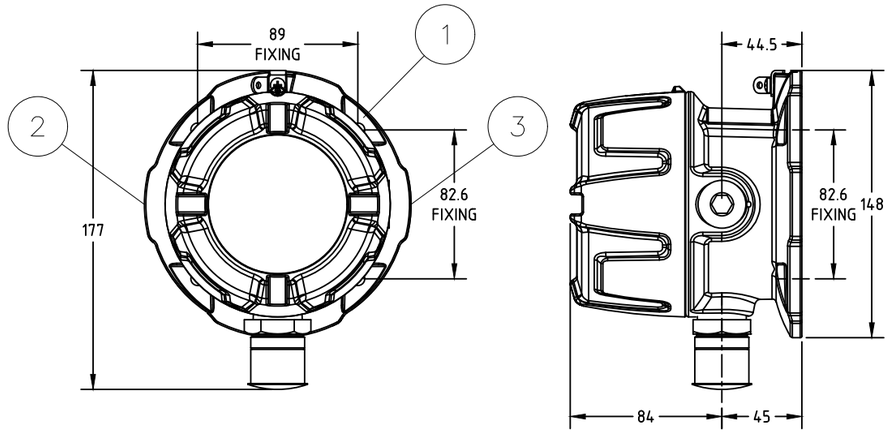
File Name : 1724000821-IN-DA-00003 Rev. 03

HYDROGEN POINT DETECTOR / PIPE MOUNTING

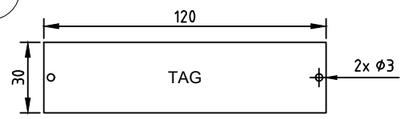
ITEM	DESCRIPTIONS	NR
1	Hydrogen point detector, DRÄGER Polytron 8200 CAT DQ d S 4-20/HART	1
2	Reducer 3/4" NPT - M20 Ex d AISI 316	2
3	3/4" plug Ex d AISI 316	1
4	Pipe mount bracket kit Polytron 5000/8000 series, DRÄGER	1
5	Sun and weather protection kit Polytron, DRÄGER	1
6	Stainless Steel Name Plate	1
7		
8		
9		
10		

INSTALLATION QUANTITY

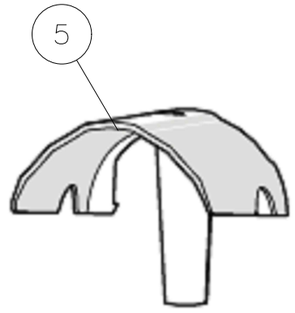
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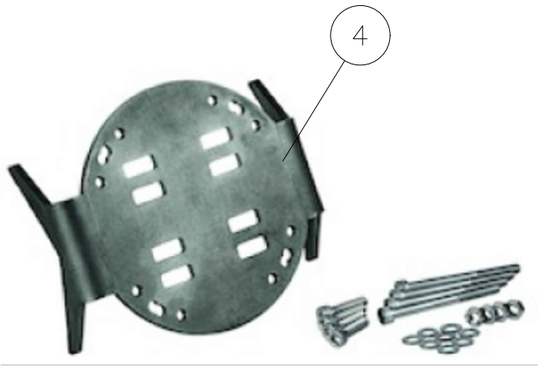


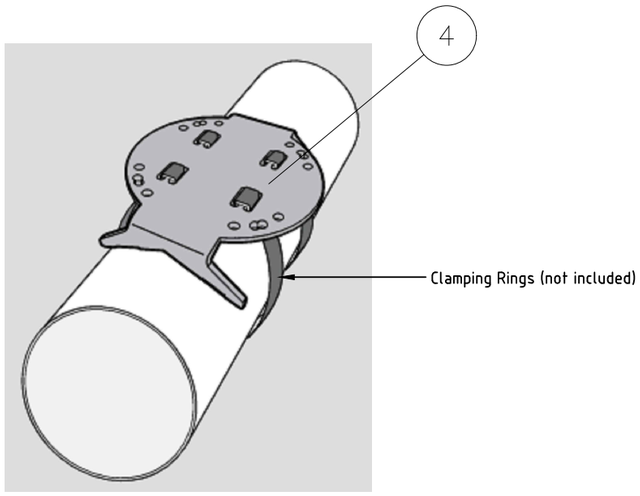
6 STAINLESS STEEL NAME PLATE DETAILS

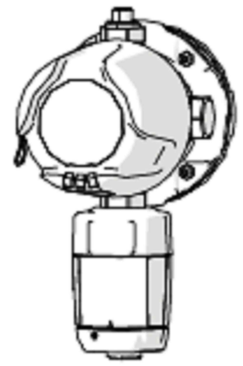


NOTE 5

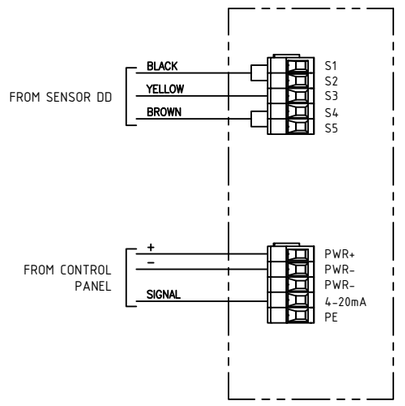








WIRING



FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
HYDROGEN POINT DETECTOR / PIPE MOUNTING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 005

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

HYDROGEN POINT DETECTOR / PIPE MOUNTING – TAG

POS.	TAG NUMBER
1	950-GDZ-02101
2	950-GDZ-02102
3	950-GDZ-02103
4	950-GDZ-02104
5	950-GDZ-02105
6	950-GDZ-02106
7	950-GDZ-02107
8	950-GDZ-02108
9	950-GDZ-02109
10	950-GDZ-02110
11	950-GDZ-02111
12	950-GDZ-02112
13	950-GDZ-02113
14	950-GDZ-02114
15	950-GDZ-02115
16	950-GDZ-02116
17	950-GDZ-05101
18	950-GDZ-05102
19	950-GDZ-05103
20	950-GDZ-05104
21	950-GDZ-05105
22	950-GDZ-05106
23	950-GDZ-03104
24	950-GDZ-03105
25	950-GDZ-01103

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
HYDROGEN POINT DETECTOR / PIPE MOUNTING – TAG

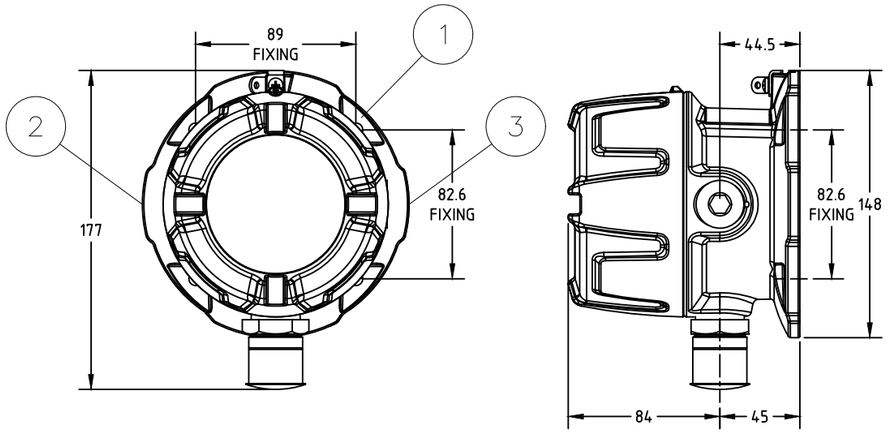
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 006 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

HYDROGEN POINT DETECTOR / WALL MOUNTING

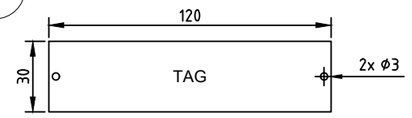


ITEM	DESCRIPTIONS	NR
1	Hydrogen point detector, DRÄGER Polytron 8200 CAT DQ d S 4-20/HART	1
2	Reducer 3/4" NPT - M20 Ex d AISI 316	2
3	3/4" plug Ex d AISI 316	1
4	Pipe mount bracket kit Polytron 5000/8000 series, DRÄGER	1
5	Sun and weather protection kit Polytron, DRÄGER	1
6	Stainless Steel Name Plate	1
7		
8		
9		
10		

INSTALLATION
QUANTITY

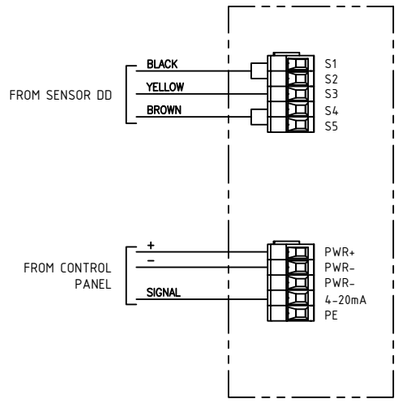
24

6 STAINLESS STEEL
NAME PLATE DETAILS



NOTE 5

WIRING



FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
HYDROGEN POINT DETECTOR / WALL MOUNTING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 007

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

HYDROGEN POINT DETECTOR / WALL MOUNTING – TAG

POS.	TAG NUMBER
1	950-GDZ-04201
2	950-GDZ-04202
3	950-GDZ-04203
4	950-GDZ-04204
5	950-GDZ-04205
6	950-GDZ-04206
7	950-GDZ-04207
8	950-GDZ-04208
9	950-GDZ-04209
10	950-GDZ-04210
11	950-GDZ-04211
12	950-GDZ-04212
13	950-GDZ-04213
14	950-GDZ-04214
15	950-GDZ-04215
16	950-GDZ-04216
17	950-GDZ-04217
18	950-GDZ-04218
19	950-GDZ-06201
20	950-GDZ-06202
21	950-GDZ-06203
22	950-GDZ-06204
23	950-GDZ-06205
24	950-GDZ-06206

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
HYDROGEN POINT DETECTOR / WALL MOUNTING – TAG

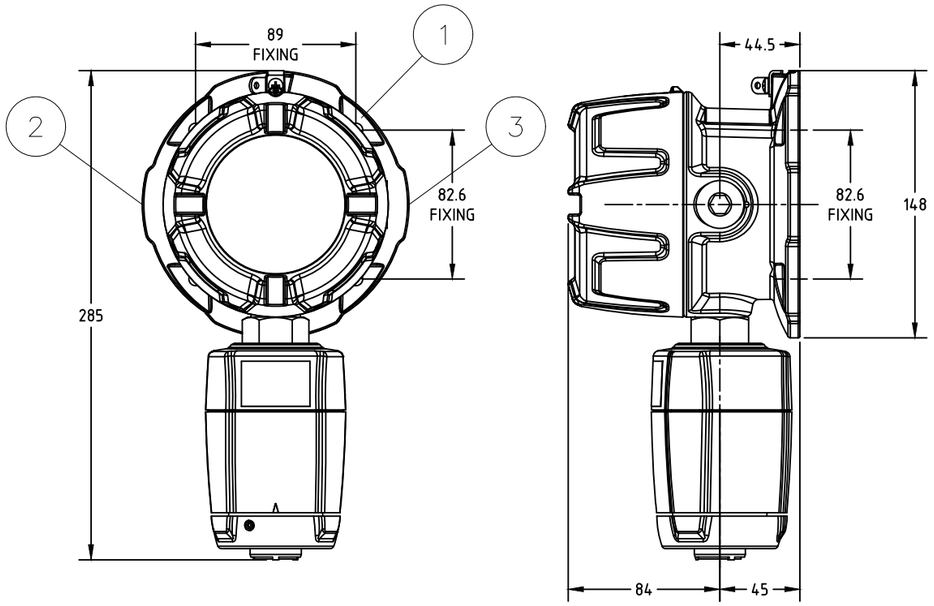
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 008 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

HYDROGEN ULTRASONIC LEAK DETECTOR / PIPE MOUNTING



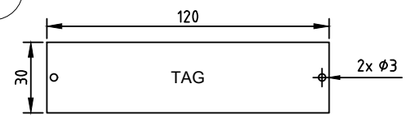
ITEM	DESCRIPTIONS	NR
1	Hydrogen Ultrasonic Leak Detector, DRÄGER Polytron 8900 UGLD d S 4-20/HART Relay	1
2	Reducer 3/4" NPT - M20 Ex d AISI 316	2
3	3/4" plug Ex d AISI 316	1
4	Pipe mount bracket kit Polytron 5000/8000 series, DRÄGER	1
5	Sun and weather protection kit Polytron, DRÄGER	1
6	Stainless Steel Name Plate	1
7		
8		
9		
10		

INSTALLATION
QUANTITY

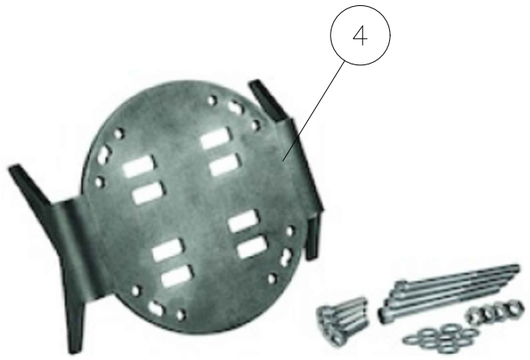
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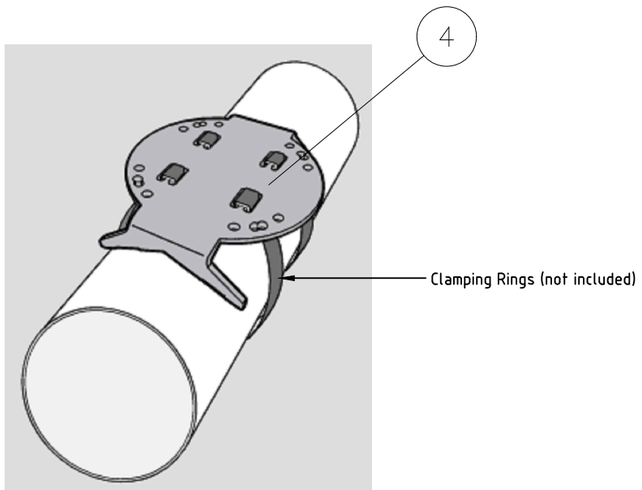
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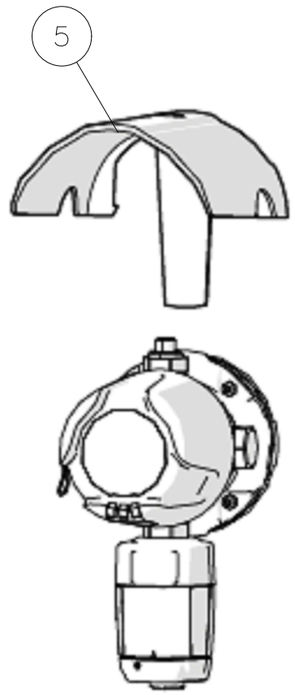
STAINLESS STEEL
NAME PLATE DETAILS



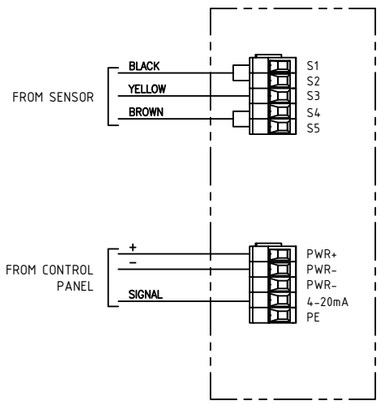
NOTE 5







WIRING



FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
HYDROGEN ULTRASONIC LEAK DETECTOR / PIPE MOUNTING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 009

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

HYDROGEN ULTRASONIC LEAK DETECTOR / PIPE MOUNTING – TAG

POS.	TAG NUMBER
1	950-GDZ-01101
2	950-GDZ-01102
3	950-GDZ-02117
4	950-GDZ-02118
5	950-GKDZ-02119
6	950-GDZ-02120
7	950-GDZ-03101
8	950-GDZ-03102
9	950-GDZ-03103

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
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01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
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TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
HYDROGEN ULTRASONIC LEAK DETECTOR / PIPE MOUNTING – TAG

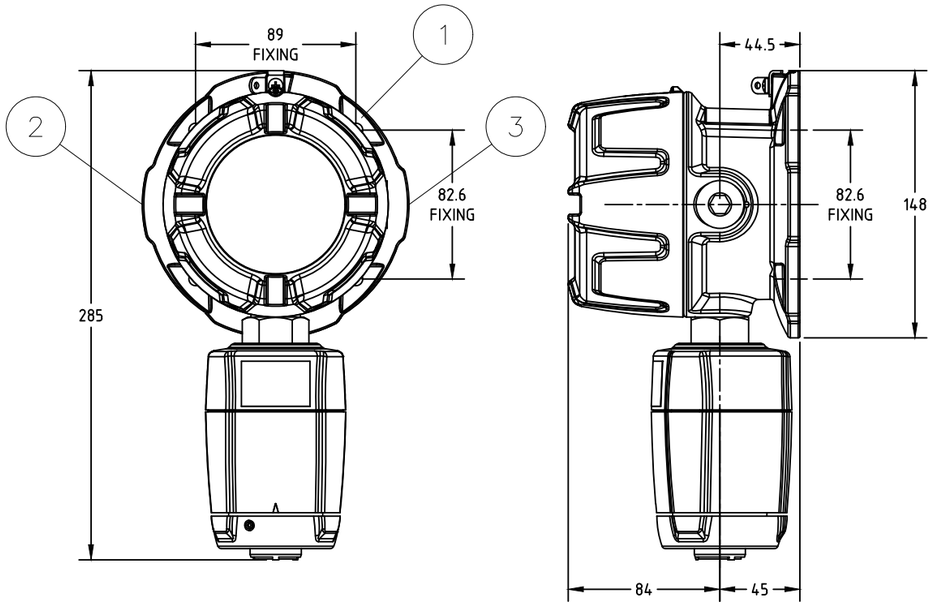
CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 010 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

OXYGEN POINT DETECTOR / PIPE MOUNTING



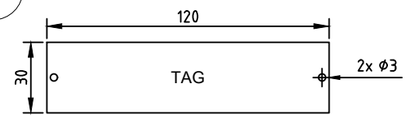
ITEM	DESCRIPTIONS	NR
1	Oxygen Point Detector, DRÄGER Polytron 8100 EC d S 4-20/HART	1
2	Reducer 3/4" NPT - M20 Ex d AISI 316	2
3	3/4" plug Ex d AISI 316	1
4	Pipe mount bracket kit Polytron 5000/8000 series, DRÄGER	1
5	Sun and weather protection kit Polytron, DRÄGER	1
6	Stainless Steel Name Plate	1
7		
8		
9		
10		

INSTALLATION
QUANTITY

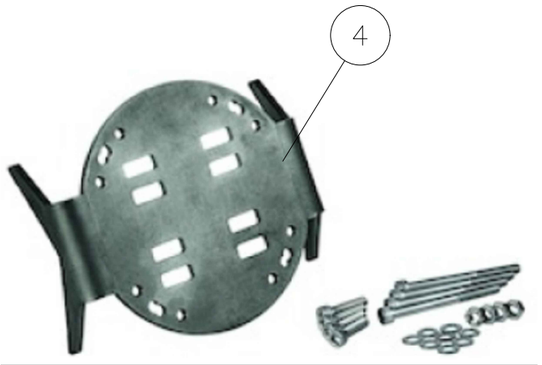
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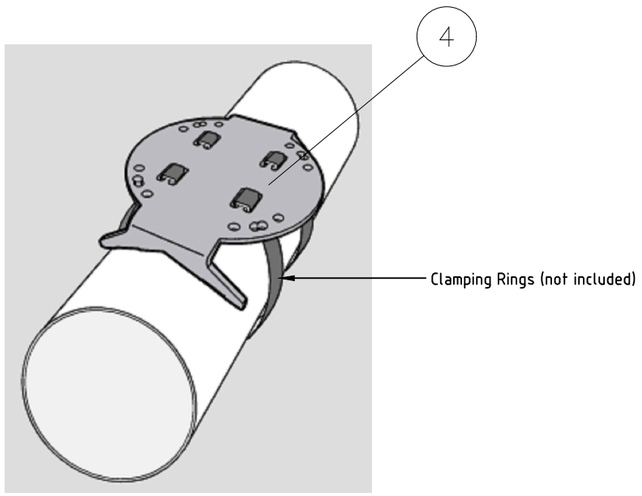
6

STAINLESS STEEL
NAME PLATE DETAILS

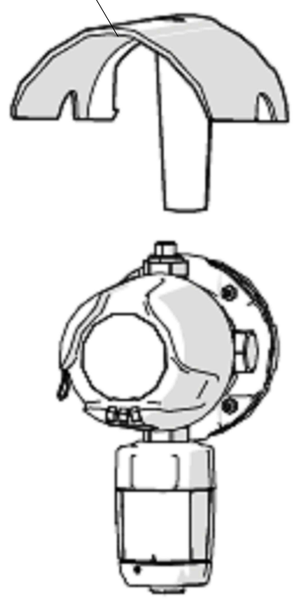


NOTE 5

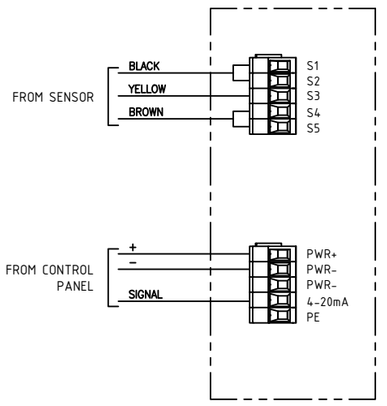




5



WIRING



FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
OXYGEN POINT DETECTOR / PIPE MOUNTING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 011

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

OXYGEN POINT DETECTOR / PIPE MOUNTING – TAG

POS.	TAG NUMBER
1	950-GDZ-03107
2	950-GDZ-03108
3	950-GDZ-03109

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
OXYGEN POINT DETECTOR / PIPE MOUNTING – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 012 | REV. 03

F.to UNI A3: 420mmx297mm

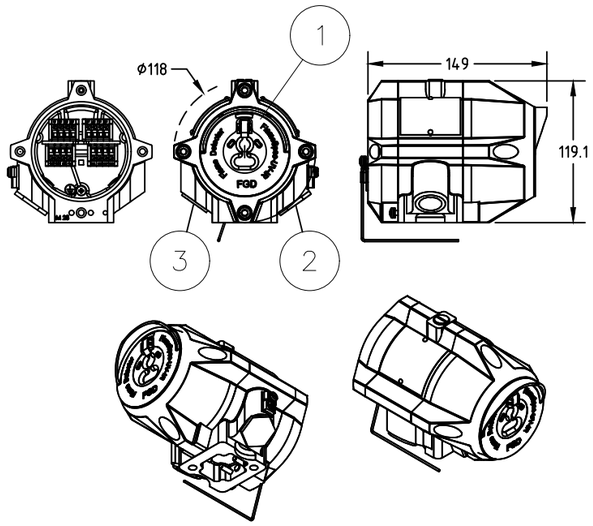
File Name : 1724000821-IN-DA-00003 Rev. 03

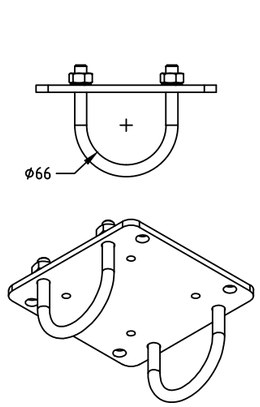
FLAME DETECTOR / 2" PIPE MOUNTING

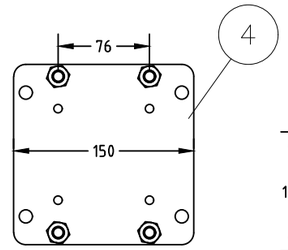
ITEM	DESCRIPTIONS	NR
1	Flame Detector, FGD FlameSpec FLS-UV-IR-AS11	1
2	Reducer M25 - M20 Ex d AISI 316	1
3	Stop Plug M25 Ex d AISI 316	1
4	2 inch Mounting Kit, FGD F107X0050.00	1
5	Tilt Assy, FGD F110X0090.00	1
6	Weather Shield, FGD F107X0240.00	1
7	Stainless Steel Name Plate	
8		
9		
10		

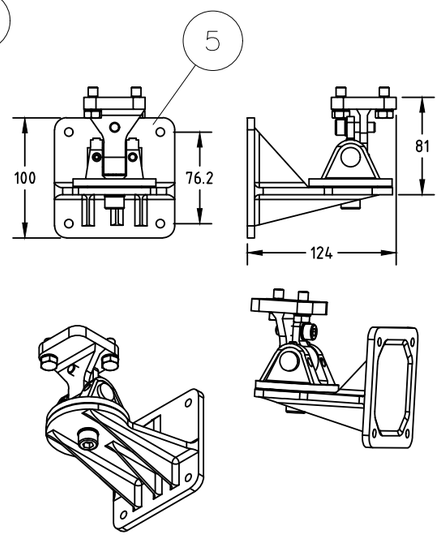
INSTALLATION QUANTITY

22







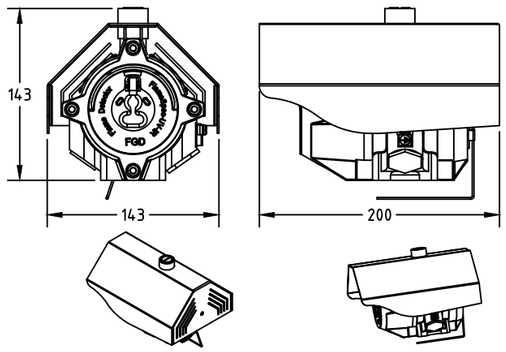


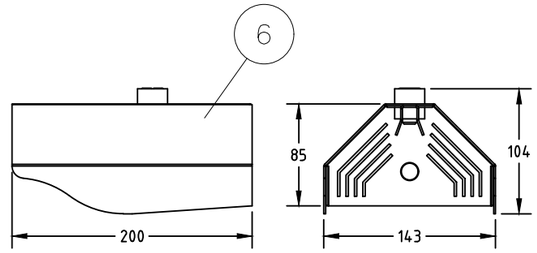
7 STAINLESS STEEL NAME PLATE DETAILS

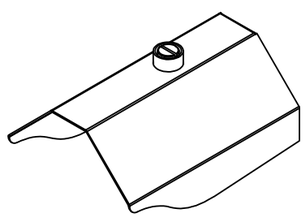


NOTE 5

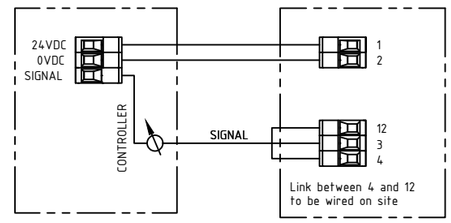
GA WEATHER SHIELD AND DETECTOR



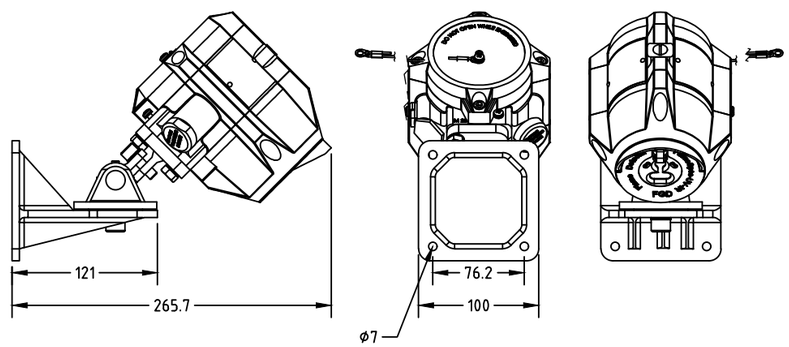




CONTROL CABINET — DETECTOR



INSTALLATION SCHEME



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
FLAME DETECTOR / 2" PIPE MOUNTING

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 013

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

FLAME DETECTOR / 2" PIPE MOUNTING – TAG

POS.	TAG NUMBER
1	950-FDZ-01101
2	950-FDZ-01102
3	950-FDZ-01103
4	950-FDZ-01104
5	950-FDZ-02101
6	950-FDZ-02102
7	950-FDZ-02103
8	950-FDZ-02104
9	950-FDZ-03101
10	950-FDZ-03102
11	950-FDZ-03103
12	950-FDZ-03104
13	950-FDZ-04101
14	950-FDZ-04102
15	950-FDZ-04103
16	950-FDZ-04104
17	950-FDZ-05101
18	950-FDZ-05102
19	950-FDZ-05103
20	950-FDZ-05104
21	950-FDZ-06101
22	950-FDZ-06102

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
FLAME DETECTOR / 2" PIPE MOUNTING – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 014 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

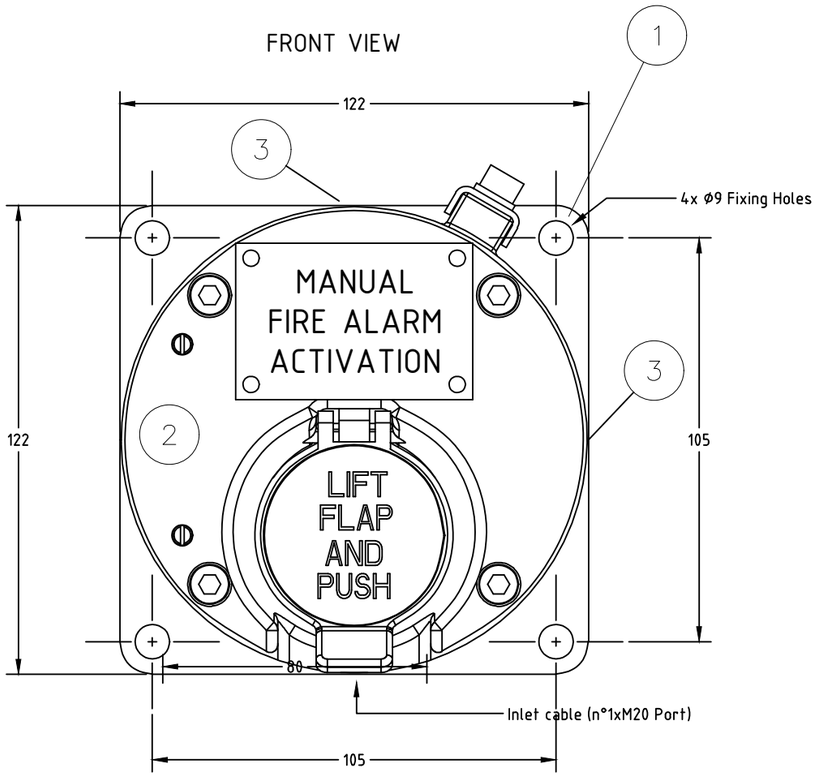
MANUAL CALL POINT (MANUAL FIRE ALARM) (RED)

ITEM	DESCRIPTIONS	NR
1	Manual Call Point (Manual Fire Alarm) (Red), MEDC SM87PBLSD1B1ROYHDRZ	1
2	Stainless Steel Name Plate	1
3	Stop Plug M20 Ex d AISI 316	2
4		
5		
6		
7		
8		
9		
10		

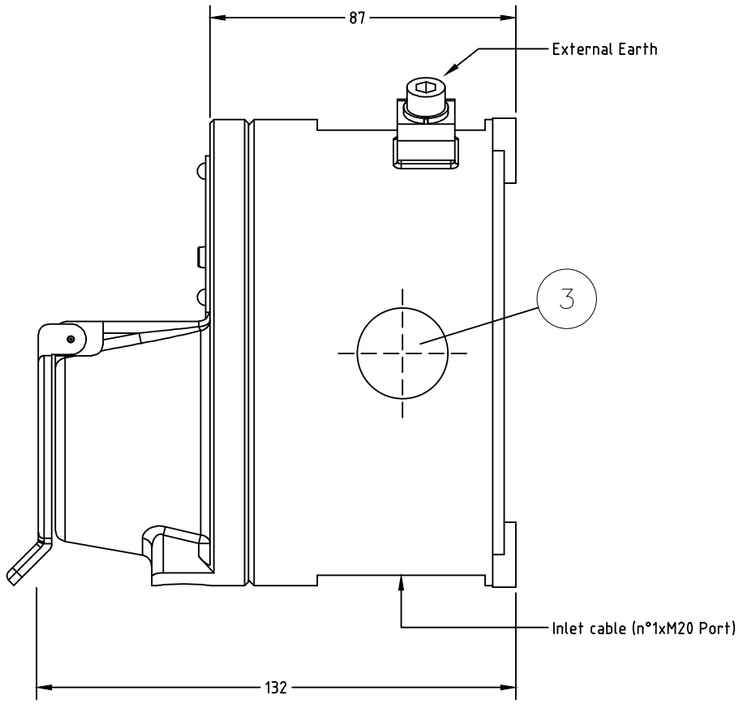
INSTALLATION QUANTITY

21

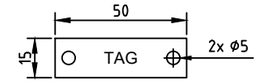
FRONT VIEW



SIDE VIEW



2 STAINLESS STEEL NAME PLATE DETAILS

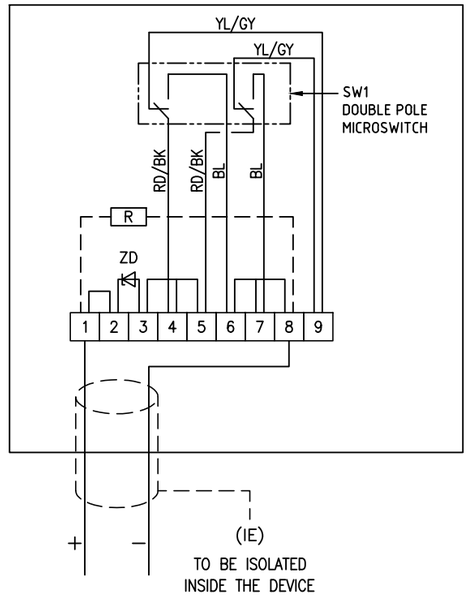


NOTE 5

WIRING

TERMINAL STRIP

ZD= ZENER 1N5339B 5.6V
R= 36 KOhm



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
MANUAL CALL POINT (MANUAL FIRE ALARM) (RED)

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 015 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

MANUAL CALL POINT (MANUAL FIRE ALARM) (RED) – TAG

POS.	TAG NUMBER
1	950-MFA-01101
2	950-MFA-01102
3	950-MFA-01103
4	950-MFA-02101
5	950-MFA-03101
6	950-MFA-03102
7	950-MFA-03103
8	950-MFA-03104
9	950-MFA-04101
10	950-MFA-04102
11	950-MFA-04201
12	950-MFA-04202
13	950-MFA-04203
14	950-MFA-05101
15	950-MFA-05102
16	950-MFA-05103
17	950-MFA-05104
18	950-MFA-06101
19	950-MFA-06102
20	950-MFA-06201
21	950-MFA-07101

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
MANUAL CALL POINT (MANUAL FIRE ALARM) (RED) – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK | SCALE : NTS

A3 | DRAWING NO. 1724000821-IN-DA-00003 | SHEET 016 | REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

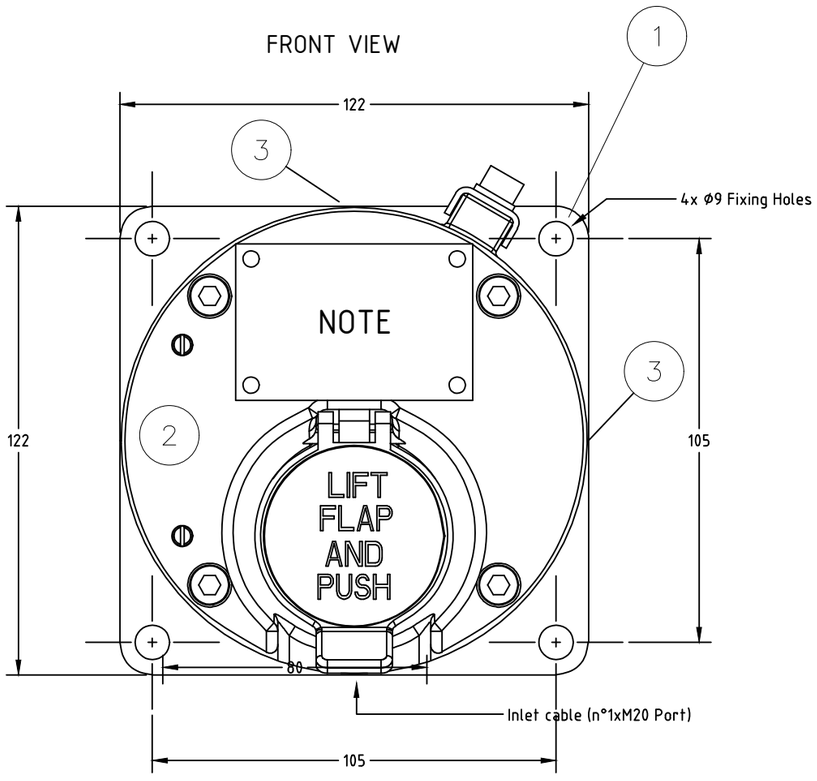
MANUAL CALL POINT (PUSH BUTTON TO SIS) (YELLOW)

ITEM	DESCRIPTIONS	NR
1	Manual Call Point (Push Button) (Yellow), MEDC SM87PBLSD1B1ROYHDYZ	1
2	Stainless Steel Name Plate	1
3	Stop Plug M20 Ex d AISI 316	2
4		
5		
6		
7		
8		
9		
10		

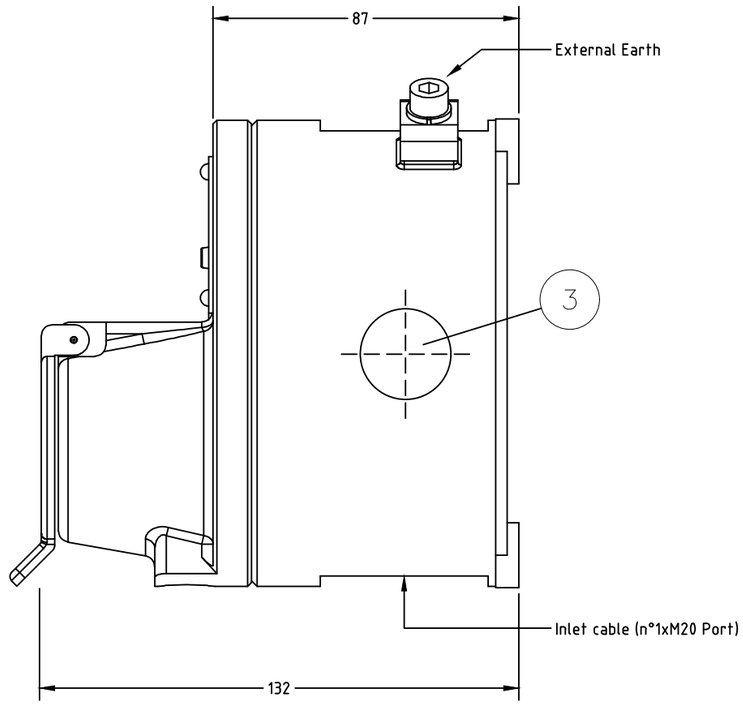
INSTALLATION QUANTITY

20

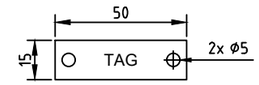
FRONT VIEW



SIDE VIEW



2 STAINLESS STEEL NAME PLATE DETAILS

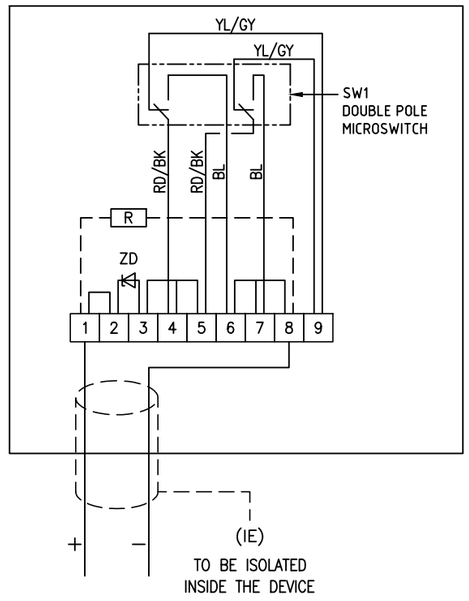


NOTE 5

WIRING

TERMINAL STRIP

ZD= ZENER 1N5339B 5.6V
R= 36 KOhm



NOTE

Q.TY	DUTY LABEL
5	ABANDON ACTIVATION
5	MAN OVER BOARD ACTIVATION
5	EMERGENCY SHUTDOWN ACTIVATION
5	EMERGENCY SHUTDOWN DEPRESSURIZATION ACTIVATION

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
MANUAL CALL POINT (PUSH BUTTON TO SIS) (YELLOW)

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 017

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

MANUAL CALL POINT (PUSH BUTTON TO SIS) (YELLOW) – TAG

POS.	TAG NUMBER
1	950-ASD-01101
2	950-ASD-03101
3	950-ASD-04101
4	950-ASD-06101
5	950-ASD-07101
6	950-MOB-01101
7	950-MOB-03101
8	950-MOB-04101
9	950-MOB-06101
10	950-MOB-07101
11	950-ESD-01101
12	950-ESD-03101
13	950-ESD-04101
14	950-ESD-06101
15	950-ESD-07101
16	950-ESDD-01101
17	950-ESDD-03101
18	950-ESDD-04101
19	950-ESDD-06101
20	950-ESDD-07101

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
MANUAL CALL POINT (PUSH BUTTON TO SIS) (YELLOW) – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 018

REV. 03

F.to UNI A3: 420mmx297mm

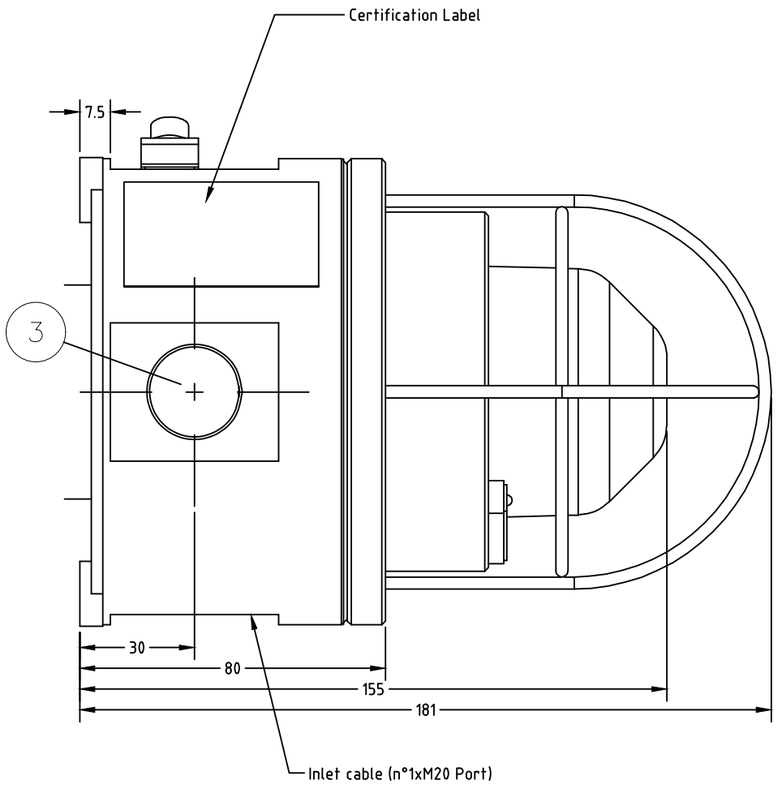
File Name : 1724000821-IN-DA-00003 Rev. 03

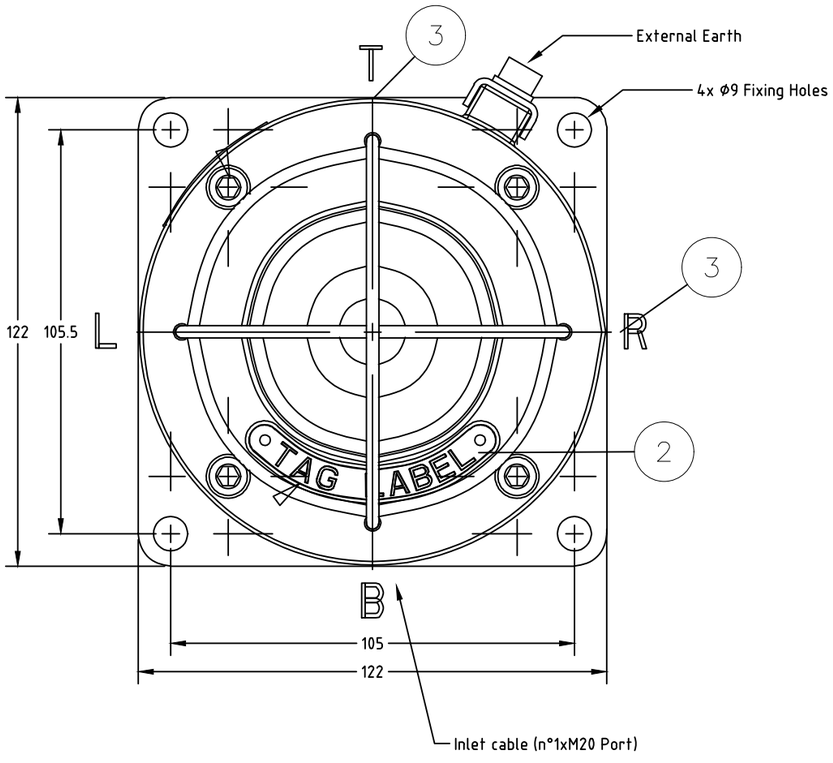
GAS FLASH BEACON (AMBER)

ITEM	DESCRIPTIONS	NR
1	Gas Flash Beacon (Amber), MEDC SM87LEDSB024AY1B1RYNRZZZ	1
2	Stainless Steel Name Plate	1
3	Stop Plug M20 Ex d AISI 316	2
4		
5		
6		
7		
8		
9		
10		

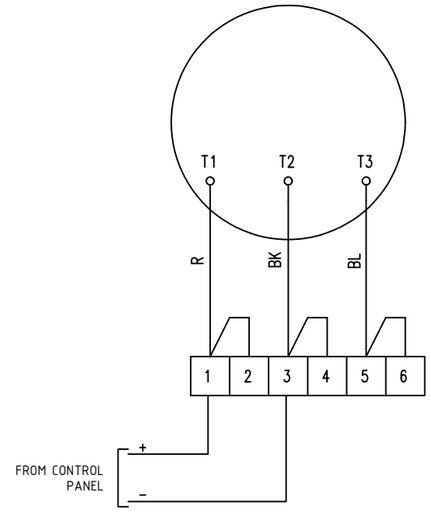
INSTALLATION
QUANTITY

13





WIRING



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
GAS FLASH BEACON (AMBER)

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 019

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

GAS FLASH BEACON (AMBER) – TAG

POS.	TAG NUMBER
1	950-XL-01101
2	950-XL-02101
3	950-XL-03101
4	950-XL-03103
5	950-XL-04101
6	950-XL-04103
7	950-XL-04201
8	950-XL-04203
9	950-XL-04205
10	950-XL-06101
11	950-XL-06103
12	950-XL-06201
13	950-XL-07101

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
GAS FLASH BEACON (AMBER) – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 020

REV. 03

F.to UNI A3: 420mmx297mm

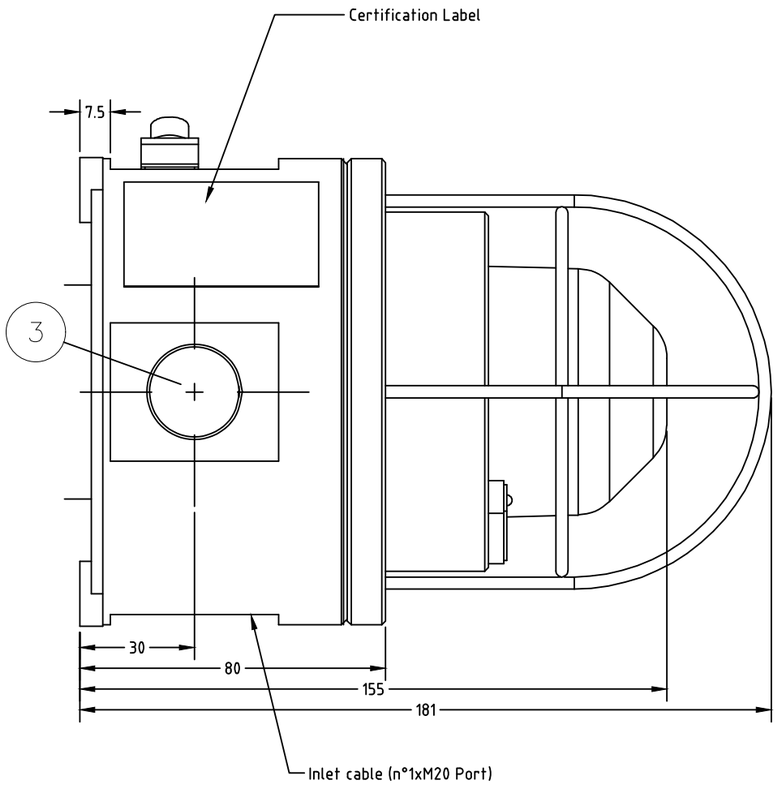
File Name : 1724000821-IN-DA-00003 Rev. 03

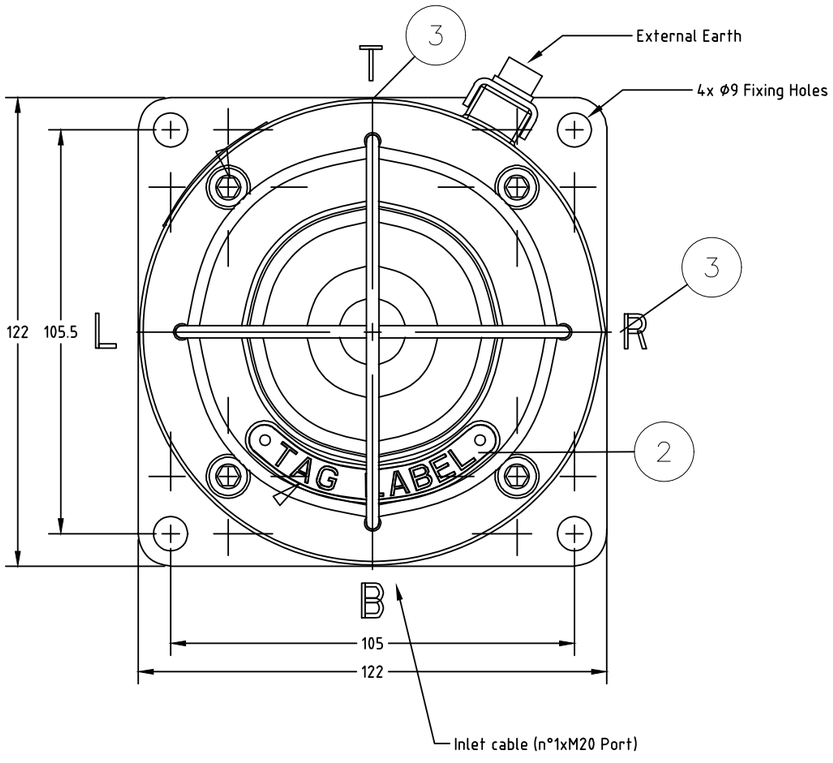
FIRE FLASH BEACON (RED)

ITEM	DESCRIPTIONS	NR
1	Fire Flash Beacon (Red), MEDC SM87LEDSB024RY1B1RYNRZZZ	1
2	Stainless Steel Name Plate	1
3	Stop Plug M20 Ex d AISI 316	2
4		
5		
6		
7		
8		
9		
10		

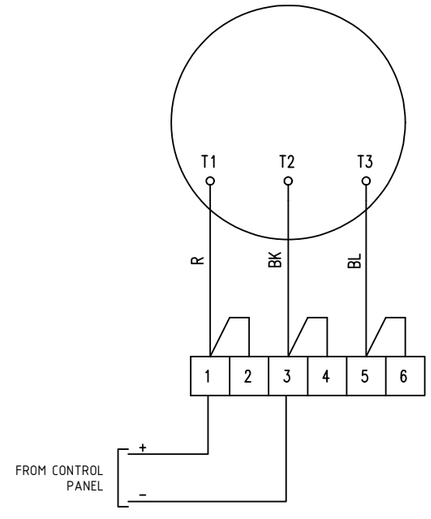
INSTALLATION
QUANTITY

13





WIRING



REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
FIRE FLASH BEACON (RED)

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 021

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

FIRE FLASH BEACON (RED) – TAG

POS.	TAG NUMBER
1	950-XL-01102
2	950-XL-02102
3	950-XL-03102
4	950-XL-03104
5	950-XL-04102
6	950-XL-04104
7	950-XL-04202
8	950-XL-04204
9	950-XL-04206
10	950-XL-06102
11	950-XL-06104
12	950-XL-06202
13	950-XL-07102

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
FIRE FLASH BEACON (RED) – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

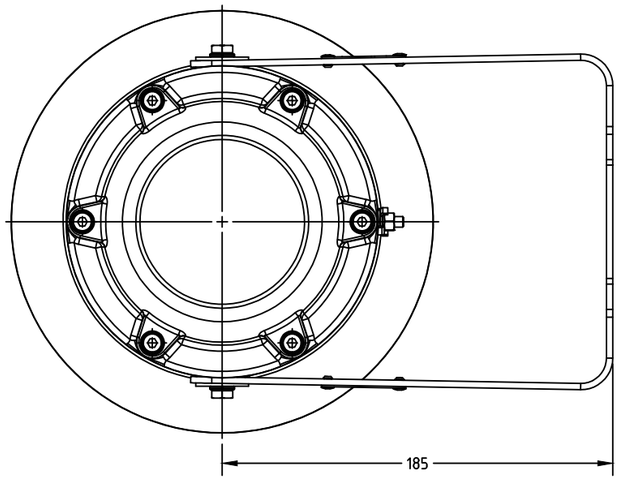
SHEET 022

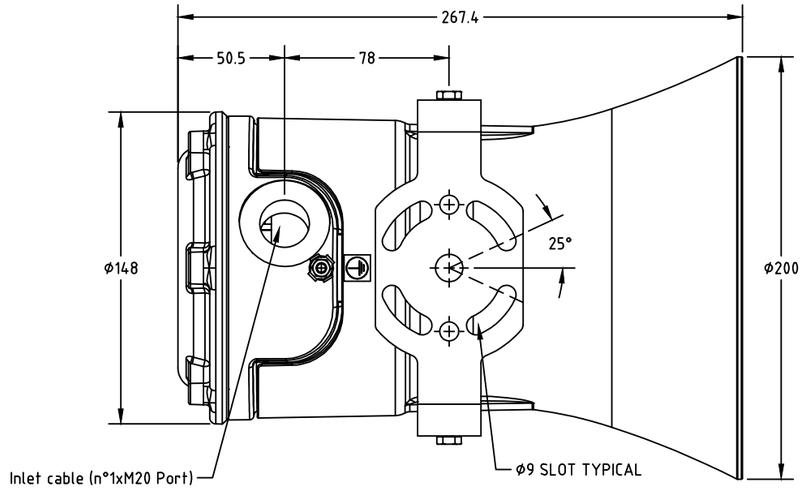
REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

SOUNDER





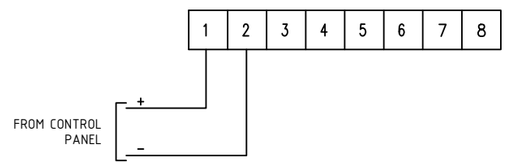
ITEM	DESCRIPTIONS	NR
1	Sounder, MEDC DM3BMSD048DT1BNR	1
2		
3		
4		
5		
6		
7		
8		
9		
10		

INSTALLATION
QUANTITY

17

NOTE:
DUTY LABEL: EMERGENCY SHUTDOWN ALARM

WIRING



FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
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01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
SOUNDER

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 023

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

SOUNDER – TAG

POS.	TAG NUMBER
1	950-XZ-01101
2	950-XZ-01102
3	950-XZ-02101
4	950-XZ-03101
5	950-XZ-03102
6	950-XZ-04101
7	950-XZ-04102
8	950-XZ-04201
9	950-XZ-04202
10	950-XZ-04203
11	950-XZ-05101
12	950-XZ-05102
13	950-XZ-05103
14	950-XZ-05104
15	950-XZ-06101
16	950-XZ-06201
17	950-XZ-07101

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
SOUNDER – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 024

REV. 03

F.to UNI A3: 420mmx297mm

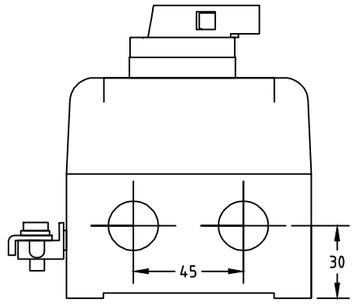
File Name : 1724000821-IN-DA-00003 Rev. 03

PUSH BUTTON DPDT CONTACT

ITEM	DESCRIPTIONS	NR
1	Control Station, CO.SI.ME GHG 432	1
2	Cable Gland M20 Ex-e (not included)	2
3		
4		
5		
6		
7		
8		
9		
10		

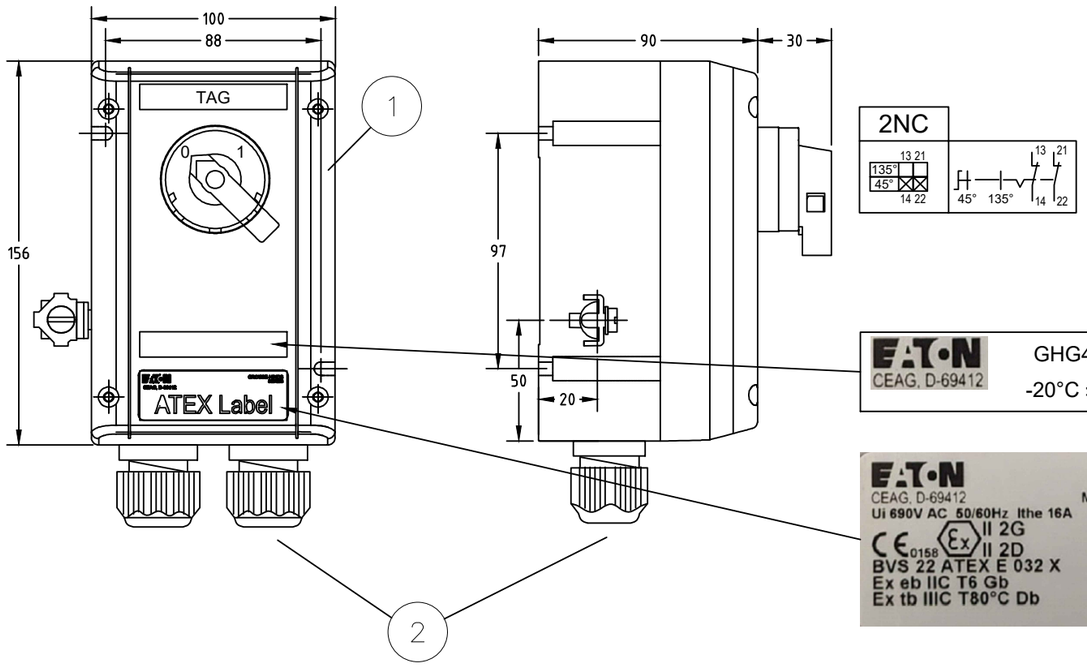
INSTALLATION QUANTITY

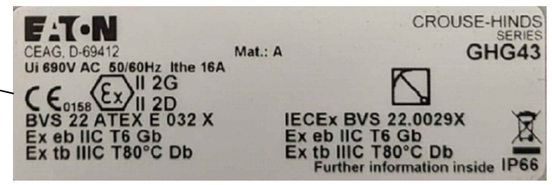
32



Traffolyte label red background - white letters (ARIAL font)
fixed by SS screws and insulated on the rear by PU resin







Technical data:
Manufactured by Eaton Crouse-Hinds Division
Model: GHG 432
Certificate No.
PTB 00 ATEX 3117
IECEx BKI 04.0003
Marking: ATEX and IECEx
II 2G Ex de IIC T6 Gb
II 2D Ex tb IIIC T80°C Db
-20°C ≤ tamb ≤ +55°C
Ui 690V
IP65

Specific characteristics:
- Polyamide (PA), black
- Closed with stainless steel screw
- M6 internal/external stainless steel earth stud

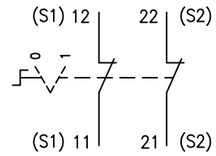
Components:
- No. 1 black selector switch with 2 position 2NC

Entries bottom side B:
- No. 2 M20 threaded holes

No. 1 1,6x60x10 mm white text on red background traffolyte tag fixed with stainless steel screws on the cover, sealed on the back with PU adhesive and engraved

Also a certification label fixed with back self adhesive on the cover

WIRING



FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
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01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
PUSH BUTTON DPDT CONTACT

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 025

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03

PUSH BUTTON DPDT CONTACT – TAG

POS.	TAG NUMBER
1	77-HS-001A
2	77-HS-001B
3	77-HS-002A
4	77-HS-002B
5	77-HS-003A
6	77-HS-003B
7	77-HS-004A
8	77-HS-004B
9	77-HS-005A
10	77-HS-005B
11	77-HS-006A
12	77-HS-006B
13	77-HS-007A
14	77-HS-007B
15	77-HS-008A
16	77-HS-008B
17	77-HS-009A
18	77-HS-009B
19	77-HS-010A
20	77-HS-010B
21	77-HS-011A
22	77-HS-011B
23	77-HS-012A
24	77-HS-012B
25	77-HS-013A
26	77-HS-013B
27	77-HS-014A
28	77-HS-014B
29	77-HS-015A
30	77-HS-015B
31	77-HS-016A
32	77-HS-016B

FORES ENGINEERING

CROSSWIND

ROSETTI MARINO

REV.	DATE	DRN	CHKD	APPD	DESCRIPTION
03	13/01/25	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
02	10/10/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
01	03/09/24	DB	MO	SM	ACCEPTED FOR CONSTRUCTION (AFC)
00	08/07/24	DB	MO	SM	ISSUE FOR REVIEW (IFR)

TITLE : BASE LOAD POWER HUB (BLPH)
GENERAL ARRANGEMENT
PUSH BUTTON DPDT CONTACT – TAG

CONTRACT NO./TITLE CW-I-WP4-2023-05/HOLLANDSE KUST NOORD WIND PARK

SCALE : NTS

A3

DRAWING NO. 1724000821-IN-DA-00003

SHEET 026

REV. 03

F.to UNI A3: 420mmx297mm

File Name : 1724000821-IN-DA-00003 Rev. 03