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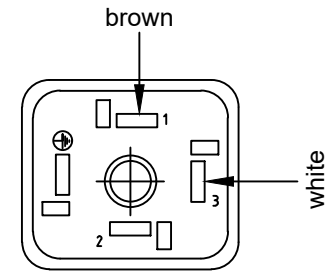
FILENAME	SHEET	DESCRIPTION
9827299502-01-01	01	INDEX
9827299502-01-05	02	POWER CIRCUIT
9827299502-01-21	03	CONTROL CIRCUIT-1
9827299502-01-41	04	REGULATOR PURELOGIC TOUCH
9827299502-01-42	05	EXPANSION MODULE IO2
9827299502-01-43	06	EXPANSION MODULE IO34
9827299502-01-44	07	CONNECTIONS 3X33
9827299502-01-45	08	CONNECTIONS 4X29
9827299502-01-46	09	IO34 CONNECTIONS
9827299502-01-47	10	IO34 CONNECTIONS
9827299502-01-48	11	CONNECTOR 4X35
9827299502-01-61	12	OPTIONAL CONTACTS
9827299502-01-91	13	LEGEND

Factory options:

1 Outlet PDP

NOTES :

[A] Connection PDP sensor pin configuration



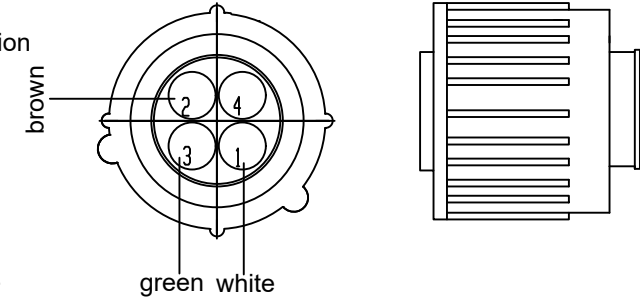
1 : Signal
3 : Supply voltage

[B] Connect filter contact to these connections. Bridge to be removed if component is installed

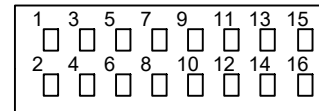
[C] Connect external Emergency stop to these connections. Bridge to be removed if component is installed

[D] Pressure transducer pin configuration

1 : Supply voltage
2 : ground
3 : output
4 : Sealed with dummy



[E] Marking of connectors 2X27...4X34



[F] Maximum fuses with regard to short circuit protection of components. cable section might impose fuses of smaller value.

[G] F.P.C. field provided components 24V 22VA

[H] Tightening torque of bolts: For terminals
For contactors
metric thread size M6 7Nm (5lbft)
metric thread size M8 12Nm (9lbft)
metric thread size M10 20Nm (15lbft)
For terminals
metric thread size M4 2.5Nm (1.5lbft)
metric thread size M6 3Nm (2lbft)
metric thread size M8 6Nm (4lbft)
metric thread size M10 10Nm (7lbft)

[I] **Color codes wires:**

- Black: Power conductor
- Light blue (only CE): Neutral conductor
- Red (only CE): 115VAC (or 230VAC)
- Violet: 24VAC
- Orange: Potential free contacts
- Yellow/Green: Earth conductor
- Dark blue + white: Extra DC voltages:
 - + = White
 - - = Dark blue: 24 or 12 VDC

[P] Percentage sensor is installed for models with a nitrogen output between 95.0% and 99.9%

[Q] PPM sensor is installed for models with a nitrogen output between 99.950% and 99.999%

[S] Field wiring: use copper wire only, minimum size AWG14 or 2,5mm²

CLASS MARKING CIRCUIT LESS THAN 30Vrms				
COMPONENT	REFERENCE	TORQUE(NM)	CLASS 1 CONTROL CIRCUIT	CLASS 2 CONTROL CIRCUIT
TERMINAL	1X6 (*)	-	X	
TERMINAL	1X7 (*)	-	X	
CONNECTOR	1X10 (*)	-	X	
CONNECTOR	1X11 (*)	-	X	
CONNECTOR	2X22 (*)	-	X	
CONNECTOR	2X24 (*)	-	X	
CONNECTOR	2X27 (*)	-	X	
CONNECTOR	2X50 (*)	-	X	
CONNECTOR	3X23 (*)	-	X	
CONNECTOR	3X24 (*)	-	X	
CONNECTOR	3X32 (*)	-	X	
CONNECTOR	3X33 (*)	-	X	
CONNECTOR	3X35 (*)	-	X	
CONNECTOR	3X40 (*)	-	X	
CONNECTOR	3X41 (*)	-	X	
CONNECTOR	4X23 (*)	-	X	
CONNECTOR	4X29 (*)	-	X	
CONNECTOR	4X33 (*)	-	X	
CONNECTOR	4X35 (*)	-	X	

(*)-24V is used

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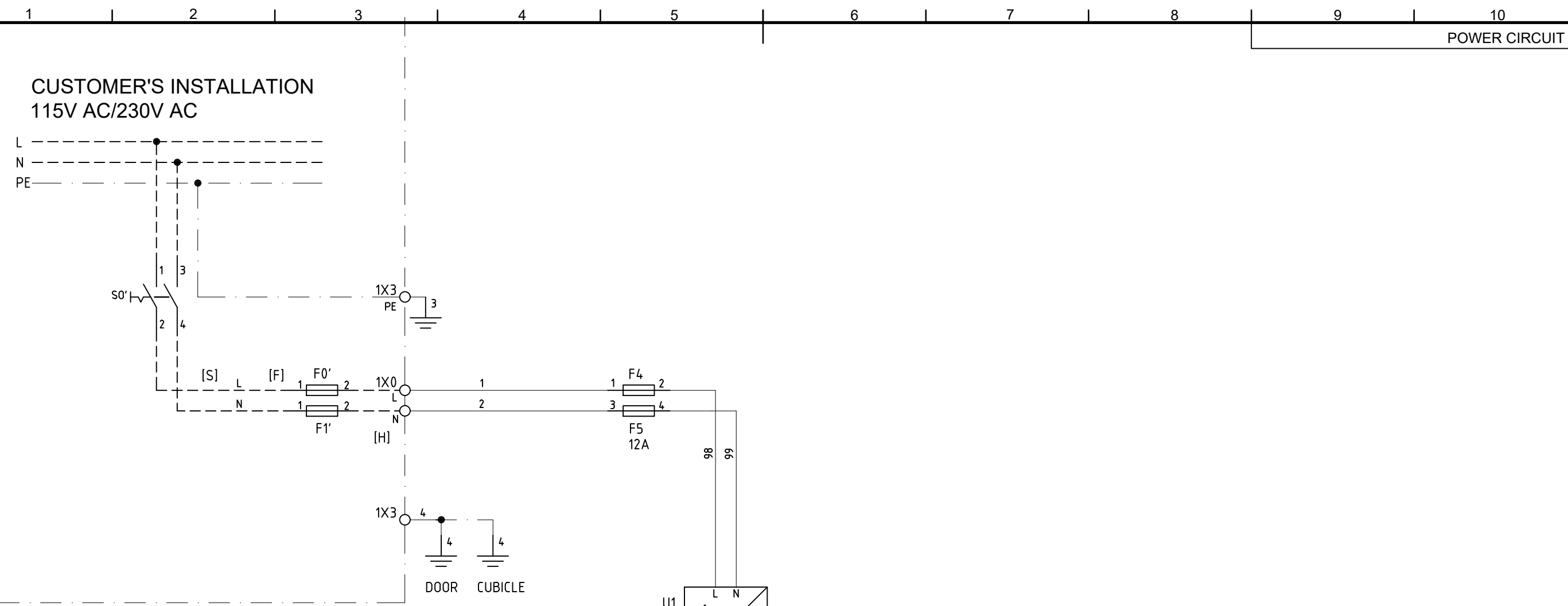
Tolerances, if not indicated, according to:					
STANDARD CLASS					
Name SERVICE DIAGRAM GEN2-MAX				Confidentiality Class acc. to 1102 K	
Material				Internal	
Treatment Not Applicable				INV	
Scale 1 : 2		Family		A3 Compare 9827299502	
Drawn by INEAPY		Blank nr.		Replaces	
Version Drwg		Blank wt. Kg		Fini wt.	
STATUS		Des checked.		Prod checked.	
Ed . Version 3D		Approved.		Date 21-12-2021	
Drawing owner NLY				Designation 9829500760-01	
Sheet 1 / 13					

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WorkInProgress

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MAIN SUPPLY IEC ONLY

VOLTAGE : 230 V
FREQ : 50Hz 1 PH

MAX FUSE [F] IEC ONLY

IEC : Class gL/gG
12 A

MAIN SUPPLY CSA/UL ONLY

VOLTAGE : 115 V
FREQ : 60 Hz 1 PH

MAX FUSE [F] CSA/UL ONLY

CSA : HRC Form II
12 A
UL : Class RK1
12 A

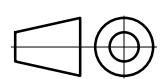
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03.1,04.4,05.8,06.8,09.5,10.1,10.3,11.9

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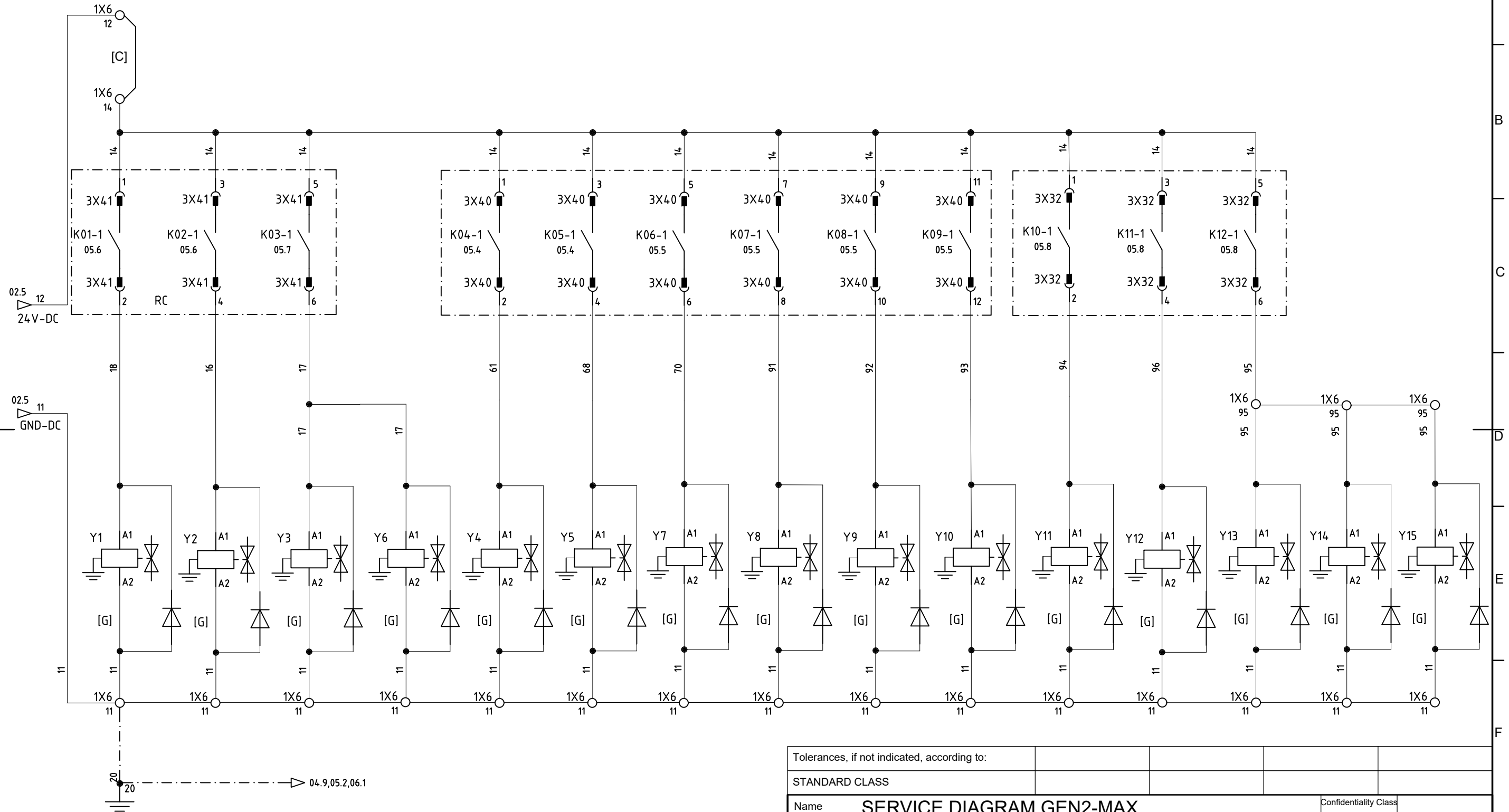
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WorkInProgress		Des checked.		Prod checked.		Approved.	
				Date		21-12-2021	
						Sheet 2 / 13	
						9829500760-01	



Drawing owner
NLY

INLET VALVE VESSEL A | INLET VALVE VESSEL B | EQUALIZATION VALVES TOP + BOTTOM | EXHAUST VALVE VESSEL A | EXHAUST VALVE VESSEL B | OUTLET VALVE VESSEL A | OUTLET VALVE VESSEL B | MPV | CONSUMER VALVE | INLET FLUSHING VALVE | OUTLET FLUSHING VALVE | INLET PDP SOLENOID | PURITY SENSOR SOLENOID | OUTLET PDP SOLENOID (OPTIONAL)

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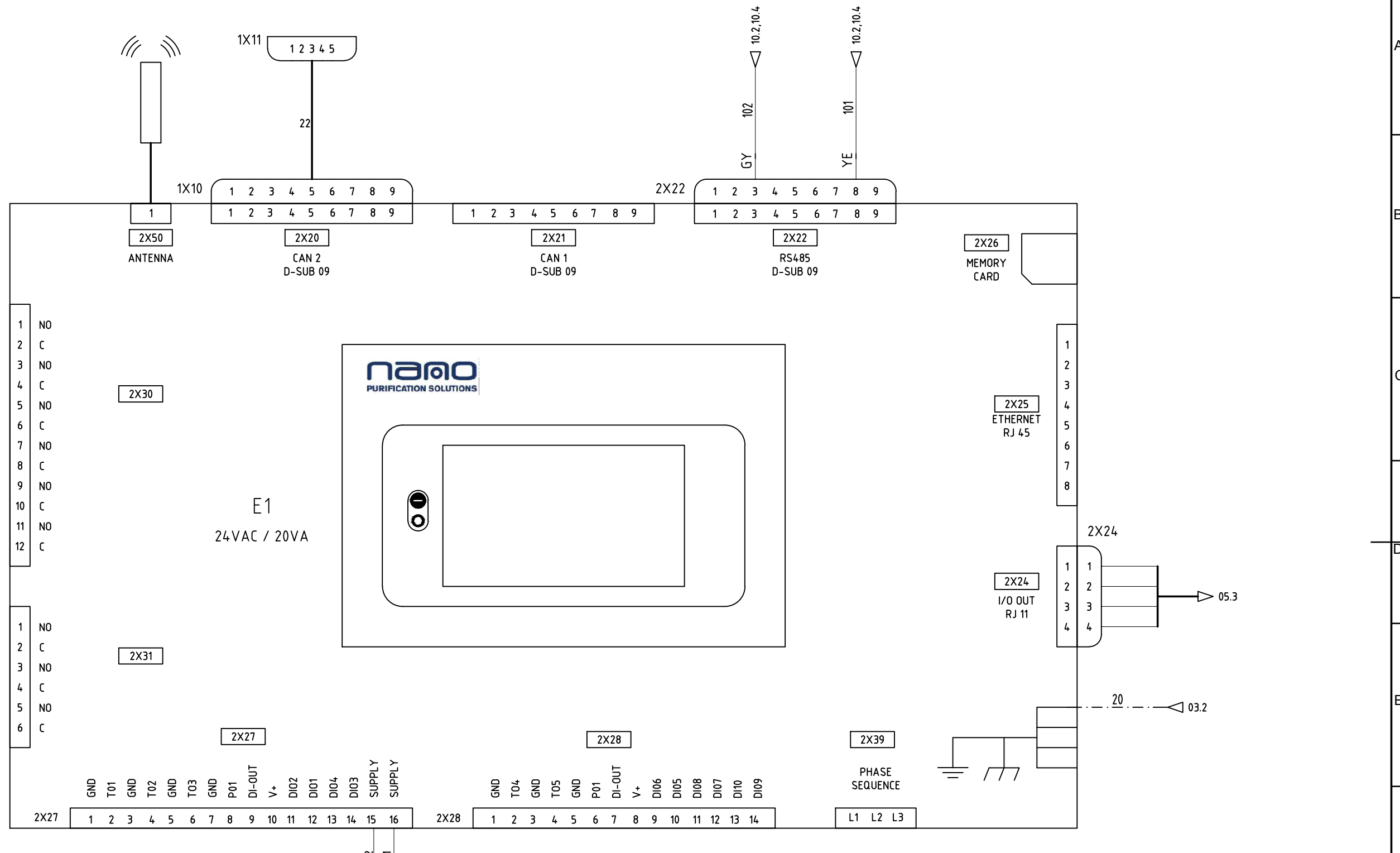
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Material				Internal
Treatment Not Applicable				INV
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Drawn by INEAPY		Blank nr.		Replaces
Version Drwg		Kg Fini wt.		Designation
Des checked.		Prod checked.		Approved. Date 21-12-2021
STATUS WorkInProgress				Drawing owner NLY
Sheet 3 / 13				9829500760-01

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1 2 3 4 5 6 7 8 9 10

REGULATOR PURELOGIC TOUCH

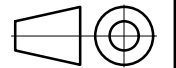
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Version Drwg		Des checked.		Prod checked.		Approved.	
STATUS		Date		21-12-2021		Designation	
WorkInProgress		Date		21-12-2021		Sheet 4 / 13	
						9829500760-01	

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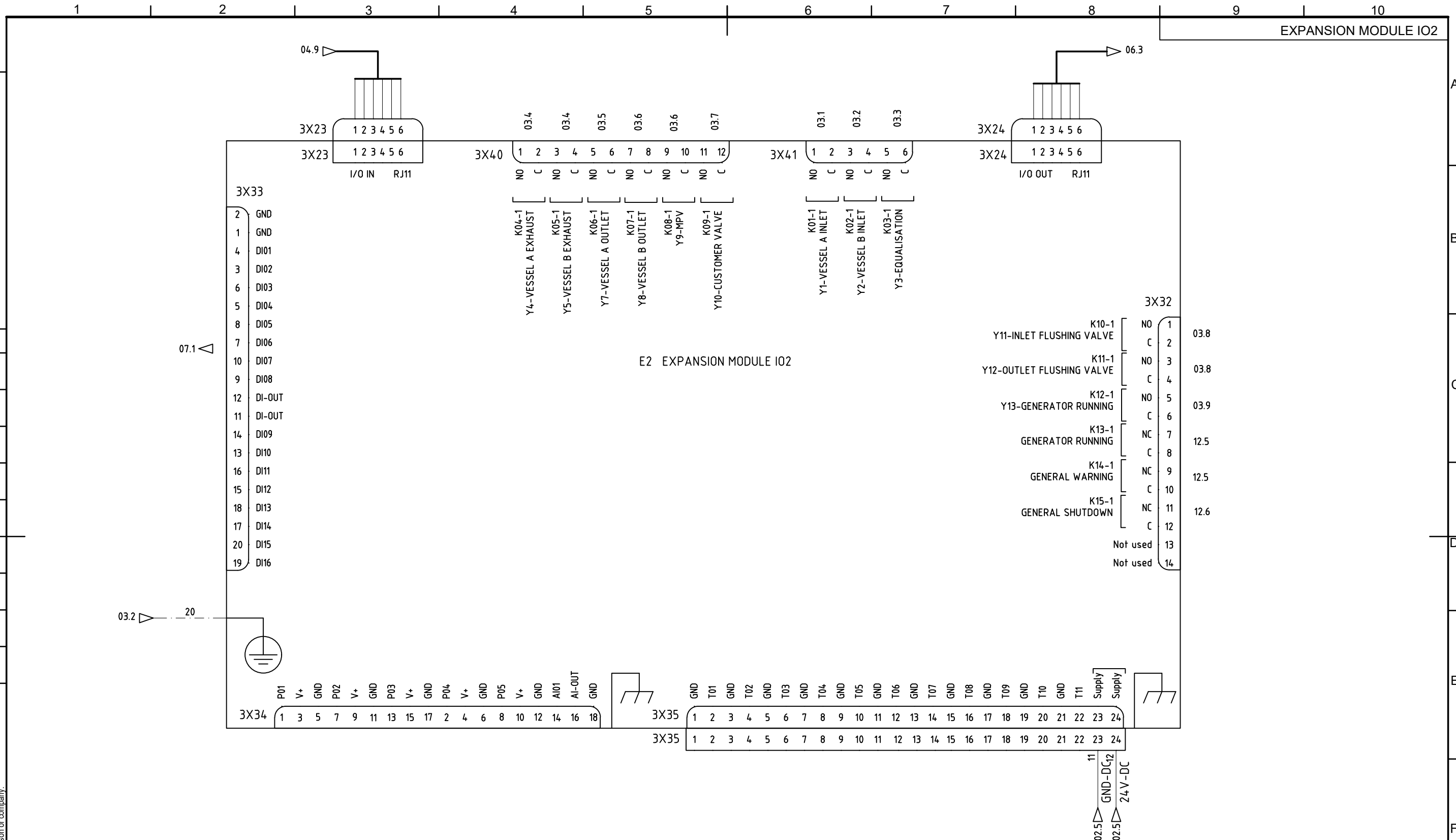


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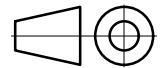
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Treatment Not Applicable			INV	
Scale		Family		A3 Compare 9827299502
Drawn by INEAPY		Blank nr.		Replaces
Version Drwg		Blank wt.		Kg Fini wt.
STATUS		Des checked.		Prod checked. Approved. Date
Ed		Position		Designation
1.2		Modified from		Sheet 5 / 13
Ed		Date		Intr./Appd.
Parent 3D model		Ed . Version 3D		WorkInProgress
Date		21-12-2021		9829500760-01



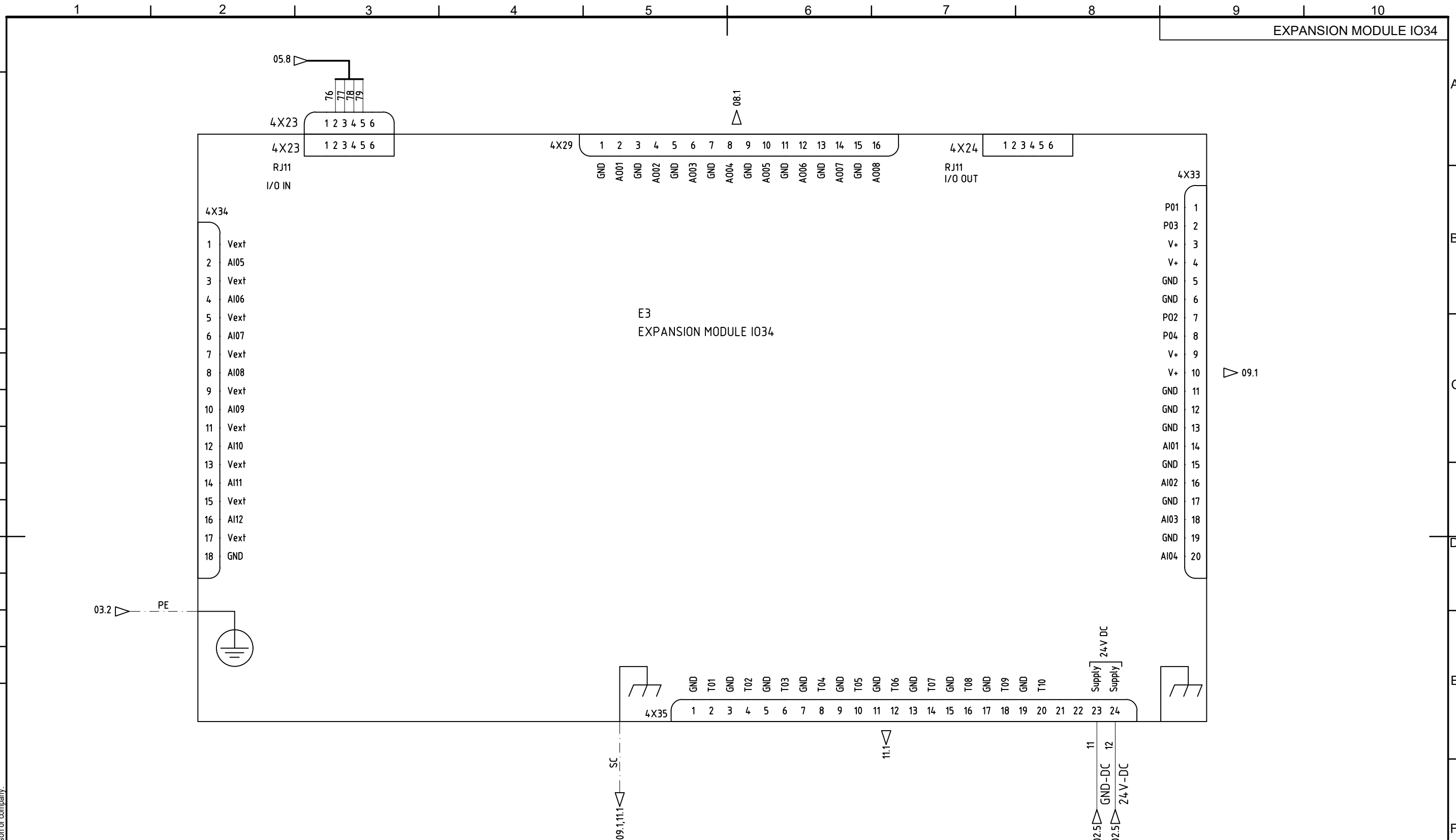
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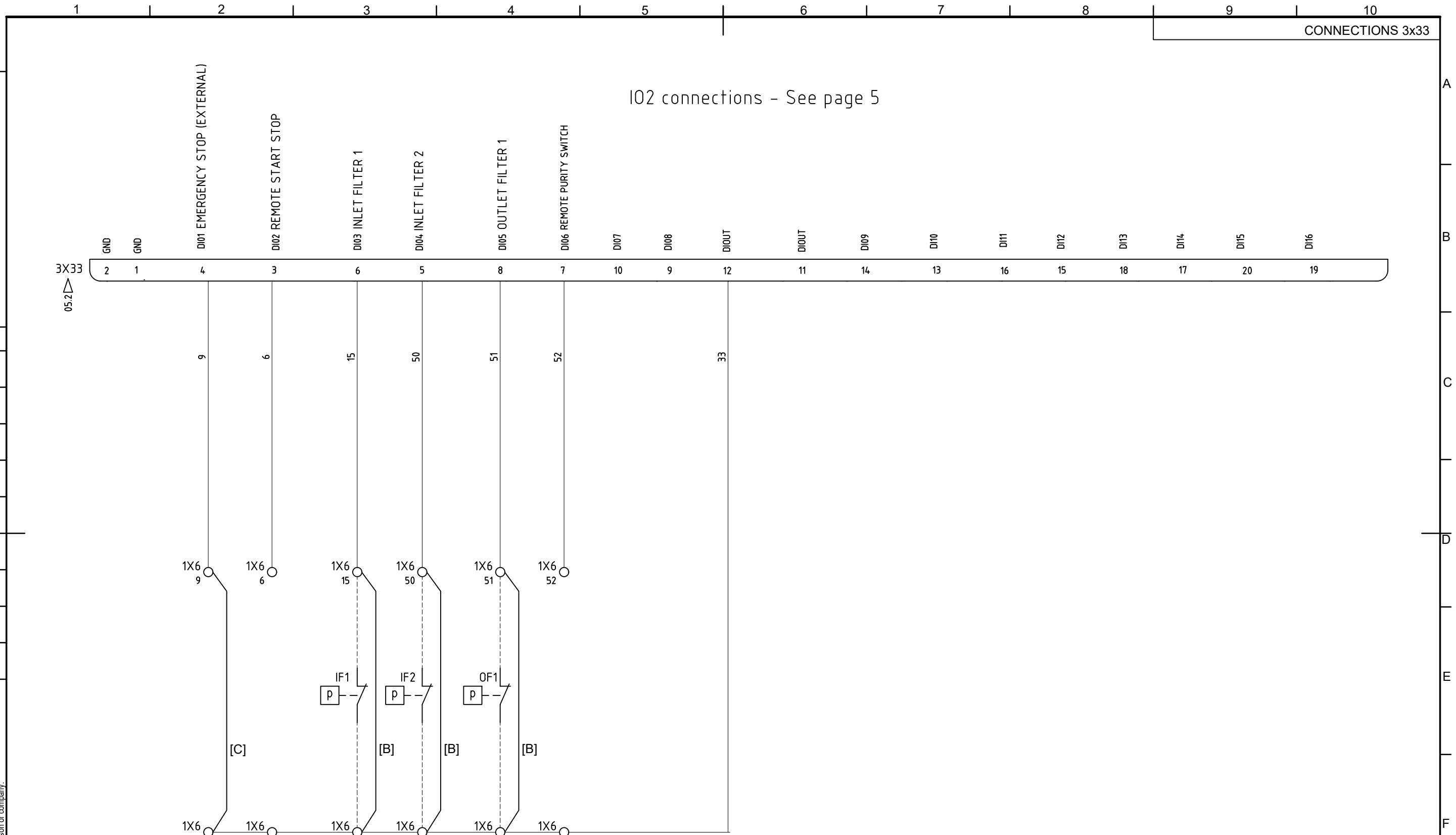
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Material			Internal	
Treatment Not Applicable			INV	
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Version Drwg	Blank wt.	Kg	Fin. wt.	Designation
STATUS	Des checked.	Prod checked.	Approved.	Date
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IO2 connections - See page 5

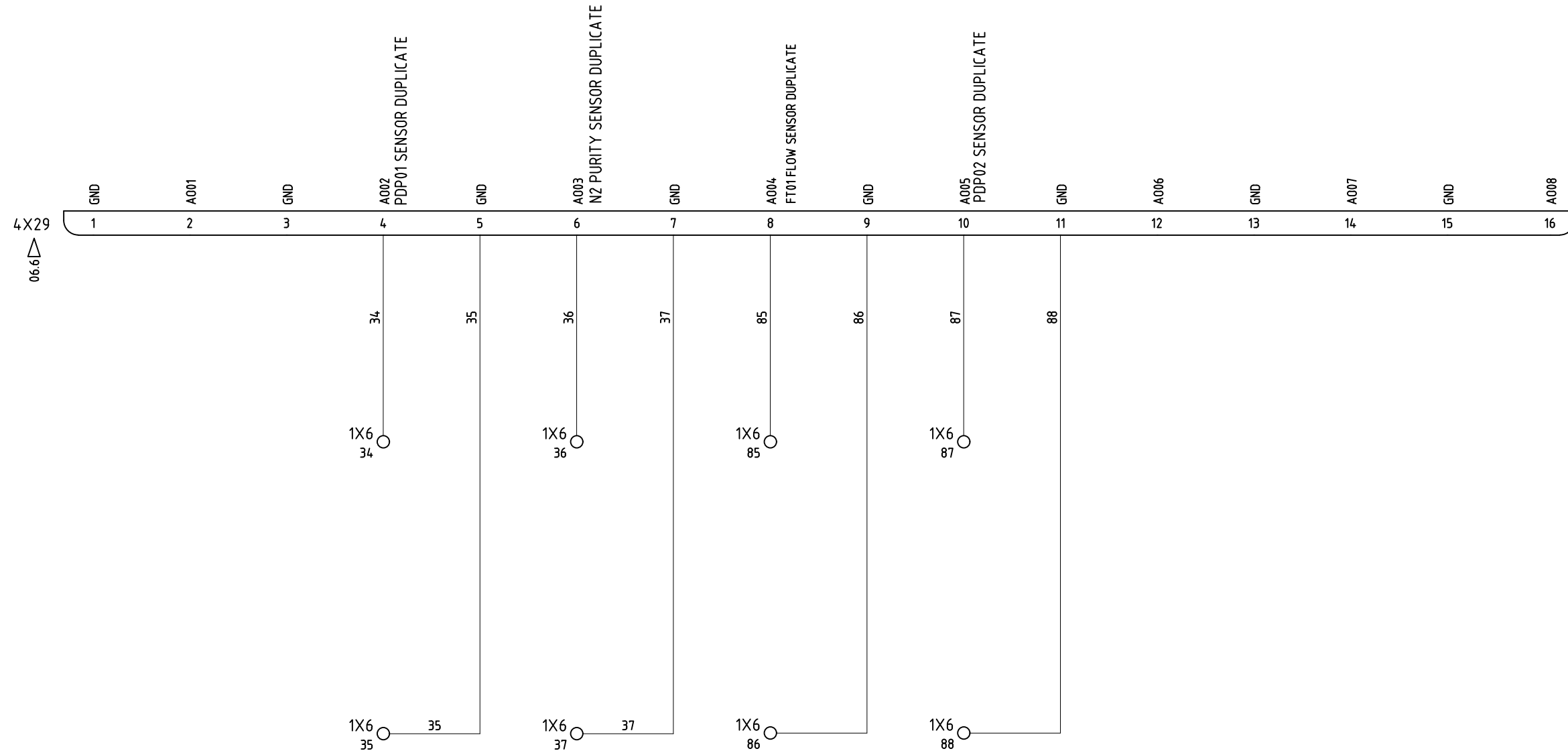
CONNECTIONS 3x33

Tolerances, if not indicated, according to:					
STANDARD CLASS					
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Material				Internal	
Treatment Not Applicable				INV	
		Scale		Family	
		A3 Compare 9827299502		Drawing owner	
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WorkInProgress		Approved.		Date 21-12-2021	
Designation				Sheet 7 / 13	
				9829500760-01	

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1.2						

1034 connections - See page 6

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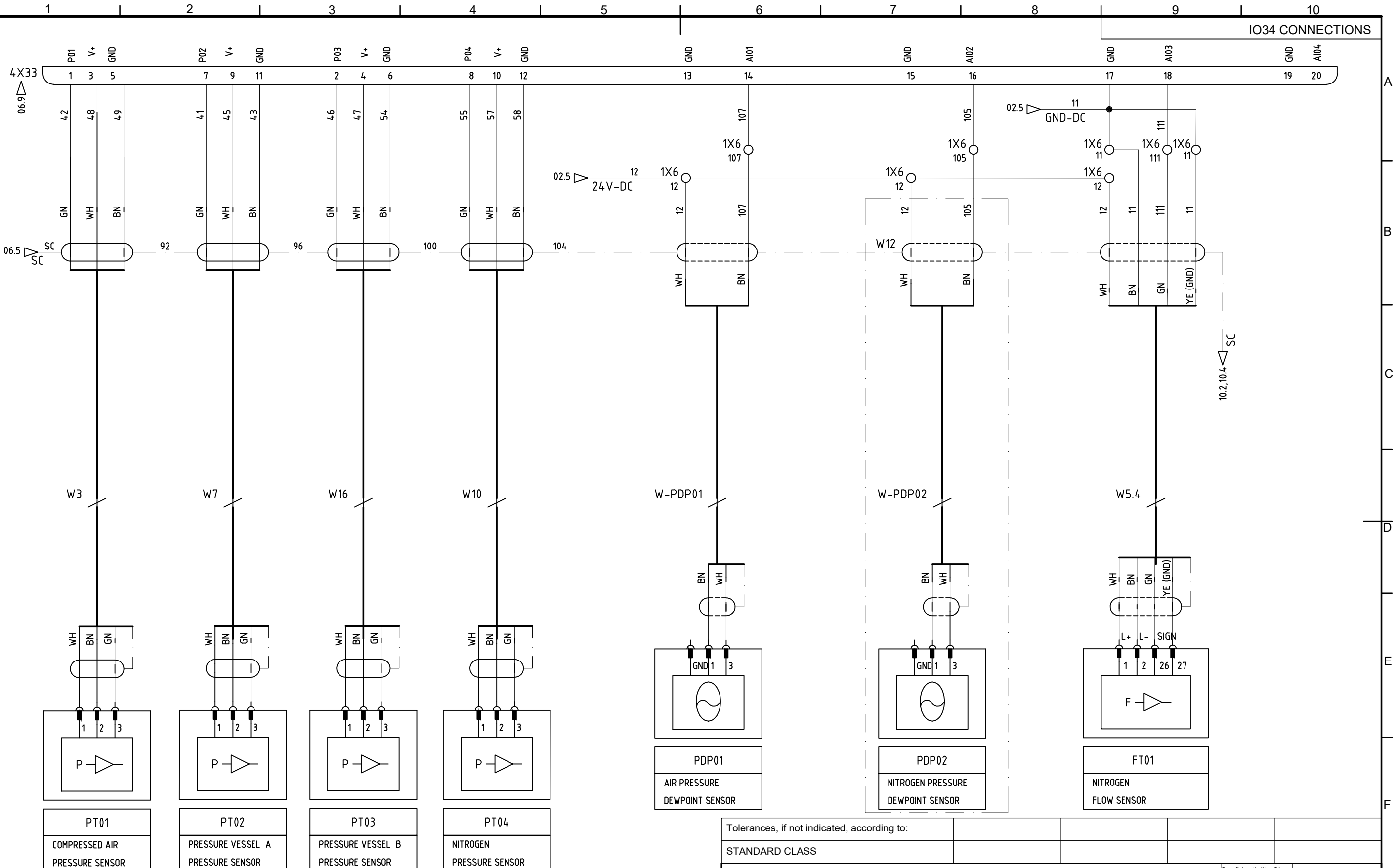
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Tolerances, if not indicated, according to:							
STANDARD CLASS							
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Material						Internal	
Treatment Not Applicable						INV	
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WorkInProgress		Des checked.		Prod checked.		Approved. Date 21-12-2021	
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						9829500760-01	
Drawing owner						NLY	

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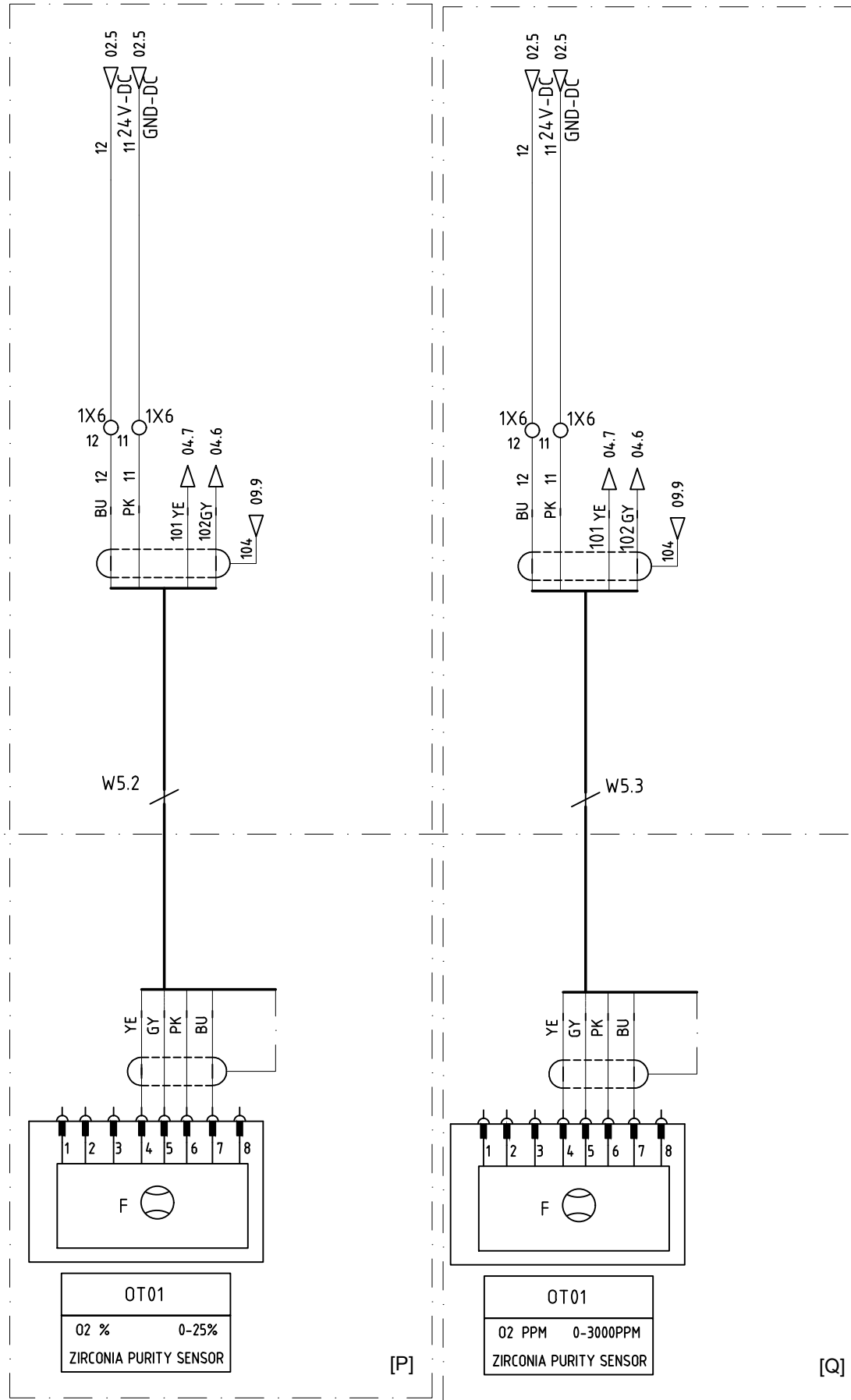
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STANDARD CLASS					
Name SERVICE DIAGRAM GEN2-MAX				Confidentiality Class acc. to 1102 K	
Material				Internal	
Treatment Not Applicable				OPTION	
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STATUS		Des checked.		Prod checked.	
WorkInProgress		Approved.		Date 21-12-2021	
Designation				Sheet 9 / 13	
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Sensor cable: 1088 0021 13

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Material						Internal	
Treatment Not Applicable						INV	
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WorkInProgress		Des checked.		Prod checked.		Approved.	
						Date 21-12-2021	
						Sheet 10 / 13	
						9829500760-01	
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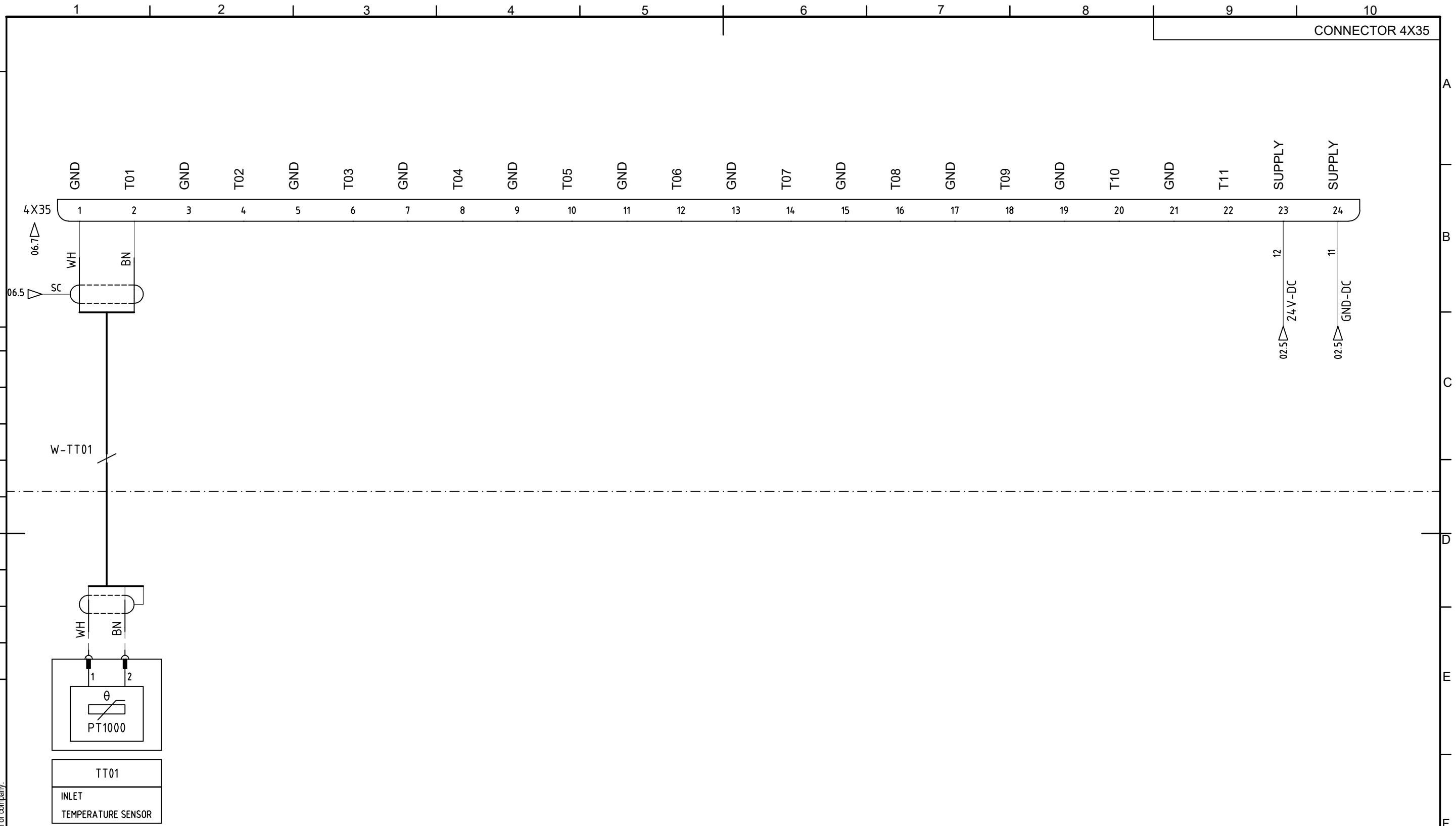
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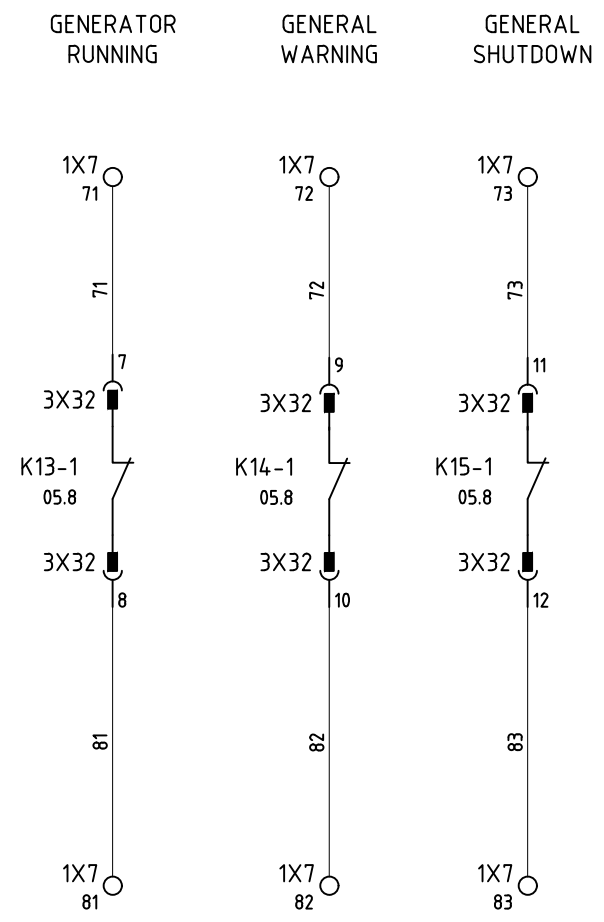


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STANDARD CLASS									
Name SERVICE DIAGRAM GEN2-MAX								Confidentiality Class acc. to 1102 K	
Material								Internal	
Treatment Not Applicable								INV	Drawing owner NLY
		Scale		Family		A3 Compare 9827299502			
Drawn by INEAPY		Blank wt.		Kg		Fini wt.		Replaces	
Version Drwg		Des checked.		Prod checked.		Approved.		Date	
STATUS		WorkInProgress		21-12-2021		Designation		Sheet 11 / 13	
								9829500760-01	

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VOLTAGE FREE CONTACTS



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Treatment Not Applicable						INV	
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WorkInProgress		Des checked.		Prod checked.		Approved.	
				Date		21-12-2021	
						Sheet 12 / 13	
						9829500760-01	

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A
B
C
D
E
F
G

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LEGEND				
LOCATION	TAGNAME	PAGE	DESCRIPTION	FUNCTION
GENERATOR	Y1	03	INLET SOLENOID VALVE	VESSEL A
GENERATOR	Y2	03	INLET SOLENOID VALVE	VESSEL B
GENERATOR	Y3	03	EQUALIZATION VALVE	BOTTOM
GENERATOR	Y4	03	EXHAUST VALVE	VESSEL A
GENERATOR	Y5	03	EXHAUST VALVE	VESSEL B
GENERATOR	Y6	03	EQUALIZATION VALVE	TOP
GENERATOR	Y7	03	OUTLET VALVE	VESSEL A
GENERATOR	Y8	03	OUTLET VALVE	VESSEL B
GENERATOR	Y9	03	MPV	
GENERATOR	Y10	03	CONSUMER VALVE	
GENERATOR	Y11	03	INLET FLUSHING VALVE	
GENERATOR	Y12	03	OUTLET FLUSHING VALVE	
GENERATOR	Y13	03	INLET PDP SOLENOID	
GENERATOR	Y14	03	PURITY SENSOR SOLENOID	
GENERATOR	Y15	03	OUTLET PDP SOLENOID	OPTIONAL
CONTROL PANEL	1X10	04	CONNECTOR	CAN2
CONTROL PANEL	1X11	04	M12 connector	1088001744
CONTROL PANEL	2X20	04	CONNECTOR	CAN2
CONTROL PANEL	2X22	04	CONNECTOR	RS485
CONTROL PANEL	2X24	04	CONNECTOR	I/O-RJ11
CONTROL PANEL	3X23	05	CONNECTOR	EXPANSION MODULE I02
CONTROL PANEL	3X24	05	CONNECTOR	EXPANSION MODULE I02
CONTROL PANEL	3X35	05	CONNECTOR	EXPANSION MODULE I02
CONTROL PANEL	3X32	05	CONNECTOR	EXPANSION MODULE I02
CONTROL PANEL	3X40	03	CONNECTOR	EXPANSION MODULE I02
CONTROL PANEL	3X40	03	CONNECTOR	EXPANSION MODULE I02
CONTROL PANEL	3X41	03	CONNECTOR	EXPANSION MODULE I02
CONTROL PANEL	4X23	06	CONNECTOR	EXPANSION MODULE I034
CONTROL PANEL	4X35	11	CONNECTOR	EXPANSION MODULE I034
CONTROL PANEL	4X29	08	CONNECTOR	EXPANSION MODULE I034
CONTROL PANEL	4X33	09	CONNECTOR	EXPANSION MODULE I034
CONTROL PANEL	E1	04	ELEKTRONIKON	PURELOGIC TOUCH
CONTROL PANEL	E2	05	EXPANSION MODULE I02	
CONTROL PANEL	E3	06	EXPANSION MODULE I034	
CONTROL PANEL	U1	02	POWER SUPPLY	24VDC / 5A
CUSTOMER	S0'	02	MAIN SWITCH	CUSTOMER INSTALLATION

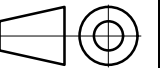
LEGEND				
LOCATION	TAGNAME	PAGE	DESCRIPTION	FUNCTION
CUSTOMER	F0'	02	FUSE	CUSTOMER
CUSTOMER	F1'	02	FUSE	CUSTOMER
CONTROL PANEL	F5	02	FUSE	12A
CONTROL PANEL	F4	02	FUSE	
CONTROL PANEL	FT01	09	NITROGEN	FLOW SENSOR
GENERATOR	IF1	07	INLET FILTER 1	PRESSURE DROP SWITCH
GENERATOR	IF2	07	INLET FILTER 2	PRESSURE DROP SWITCH
GENERATOR	OF1	07	OUTLET FILTER 1	PRESSURE DROP SWITCH
GENERATOR	OT01	10	OXYGEN LEVEL TRANSMITTER	0-25%
GENERATOR	OT01	10	OXYGEN LEVEL TRANSMITTER	0-3000PPM
GENERATOR	PDP01	09	AIR PRESSURE	DEWPOINT SENSOR
GENERATOR	PDP02	09	NITROGEN PRESSURE	DEWPOINT SENSOR
GENERATOR	PT01	09	COMPRESSED AIR	PRESSURE SENSOR
GENERATOR	PT02	09	PRESSURE VESSEL A	PRESSURE SENSOR
GENERATOR	PT03	09	PRESSURE VESSEL B	PRESSURE SENSOR
GENERATOR	PT04	09	NITROGEN	PRESSURE SENSOR
GENERATOR	TT01	11	INLET	TEMPERATURE SENSOR

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1.2						

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STANDARD CLASS					
Name SERVICE DIAGRAM GEN2-MAX				Confidentiality Class acc. to 1102 K	
Material				Internal	
Treatment Not Applicable				INV	
		Scale		Family	
		A3 Compare 9827299502		Drawing owner	
Drawn by INEAPY		Blank nr.		Replaces	
Version Drwg		Blank wt.		Kg Fini wt.	
STATUS		Des checked.		Prod checked. Approved. Date	
WorkInProgress				21-12-2021	
Designation				Sheet 13 / 13	
				9829500760-01	



NLY