

Ferlin

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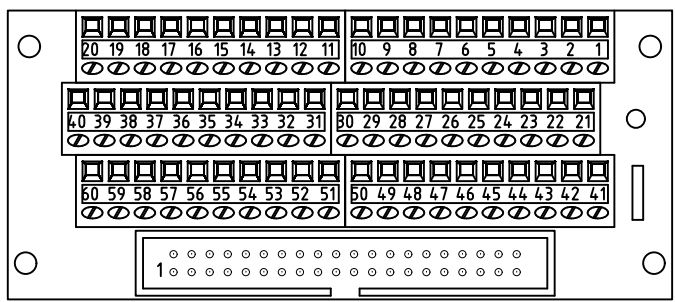
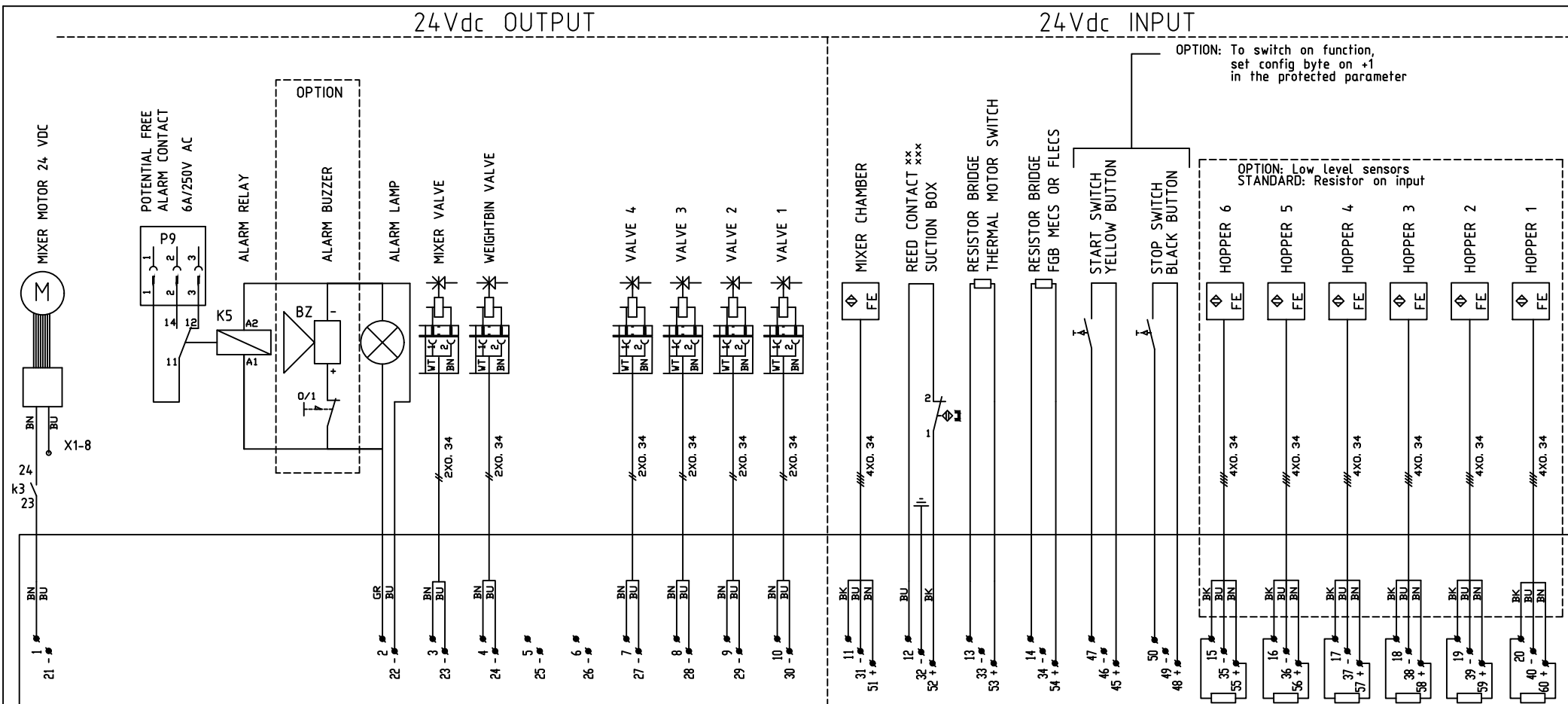
PROJECT:
FERLIN GRAVIMETRIC BLENDER

SUBJECT:
MAIN DIAGRAM 1 PHASE 110/240V

DRAWN BY: N. Vogelzang
DATE: 12-12-2022
PROJECTNO. FGB MECS
PAGE: 1 OF: 13

DRAWING NUMBER:
FGB MECS H
REVISION
12-12-2022

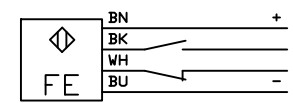
A4



WIRING DIAGRAM INSERTED MODULE ON MAIN PCB

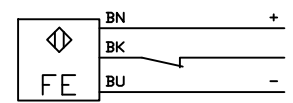
BK=BLACK
 BU=BLUE
 BN=BROWN
 WH=WHITE
 YE=YELLOW
 RE=RED
 GR=GRAY

Rechner KAS 80
 PNP 24VDC



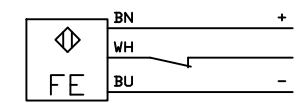
mixer or hopper sensor x

IFM KI5083 or
 Baumer CFAM
 PNP 24VDC



mixer sensor x

Carlo Gavazzi
 EC3025PPAPL-1



mixer sensor x

x = All sensors are NO except Mixer sensor is NC
 xx = Or machine hopper sensor.
 xxx = Small reed contact at integrated machine hopper = Yellow and green.

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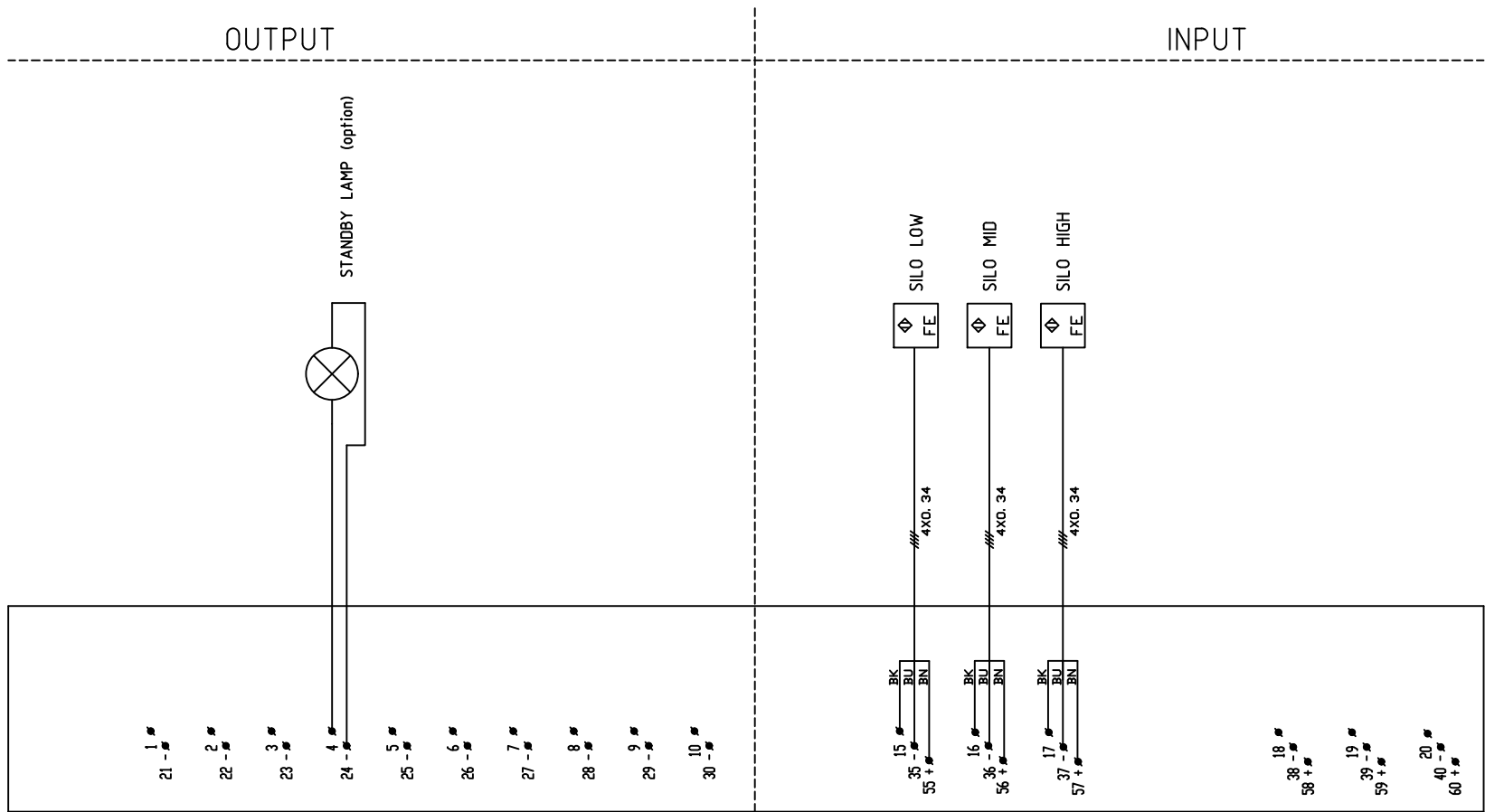
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PROJECT:	FERLIN GRAVIMETRIC BLENDER
SUBJECT:	24Vdc IN-OUTPUT X1 - X60

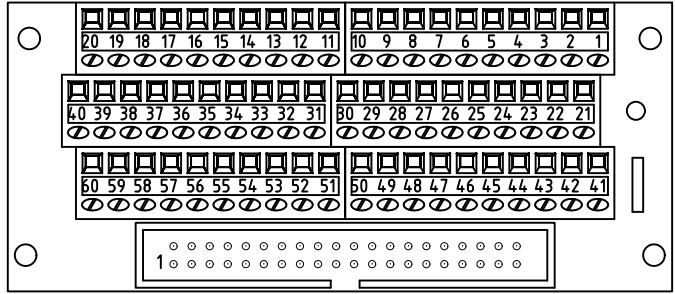
DRAWN BY:	N. Vogelzang
DATE:	12-12-2022
PROJECTNO.	FGB MECS
PAGE:	2 OF: 13

DRAWING NUMBER:	FGB MECS H
REVISION	12-12-2022

A4

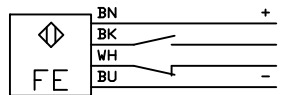


WIRING DIAGRAM EXPANSION BOARD



BK=BLACK
 BU=BLUE
 BN=BROWN
 WH=WHITE
 YE=YELLOW
 RE=RED

Rechner KAS 80
 PNP 24VDC



hopper or silo sensor connect as N.O.

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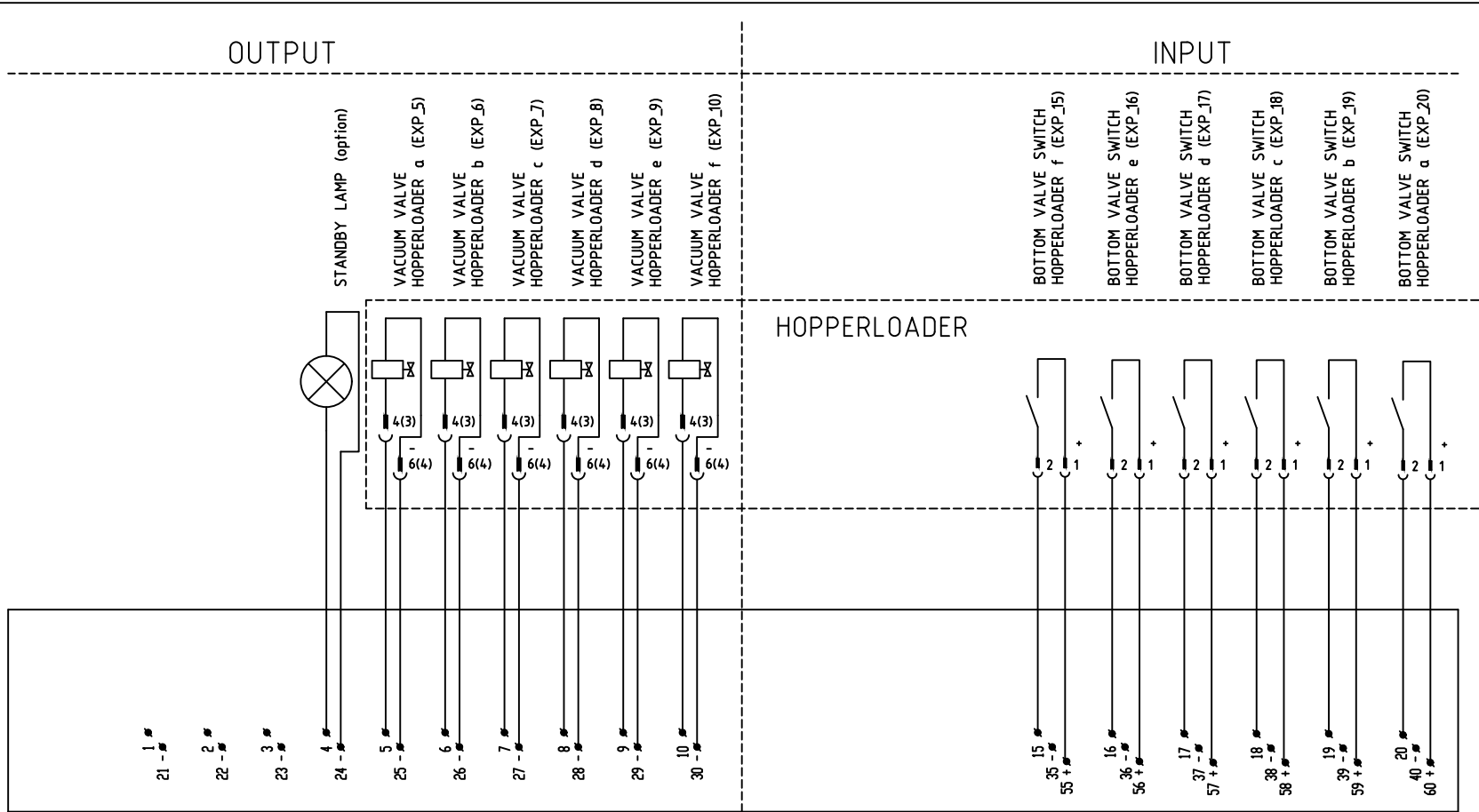
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PROJECT: FERLIN GRAVIMETRIC BLENDER
 SUBJECT: I/O EXPANSION

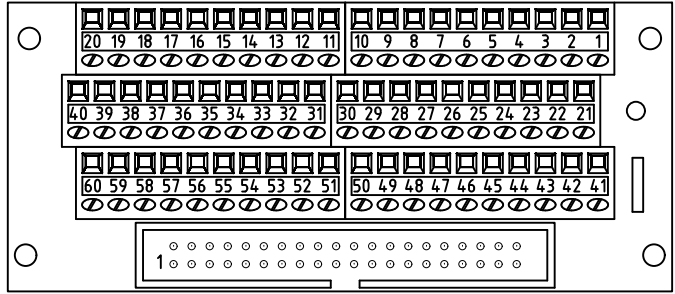
DRAWN BY: N. Vogelzang
 DATE: 12-12-2022
 PROJECTNO. FGB MECS
 PAGE: 3 OF: 13

DRAWING NUMBER: FGB MECS H
 REVISION: 12-12-2022

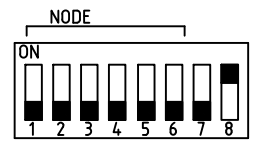
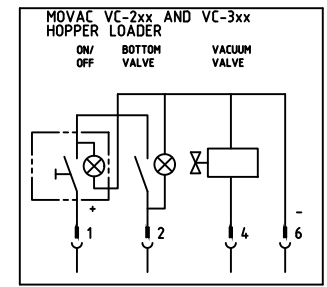
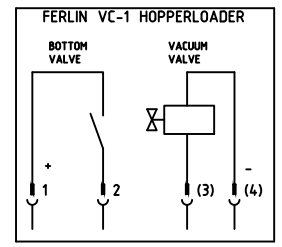
A4



WIRING DIAGRAM EXPANSION BOARD



BK=BLACK
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 BN=BROWN
 WH=WHITE
 YE=YELLOW
 RE=RED



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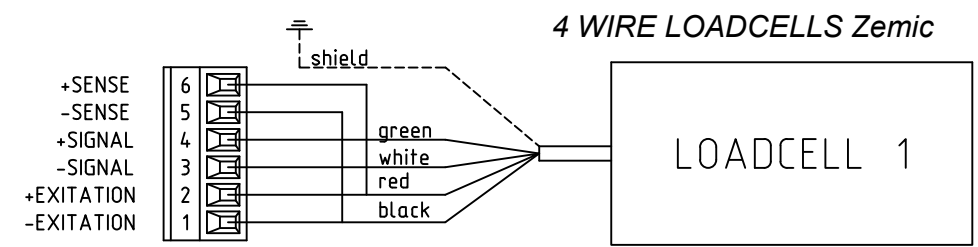
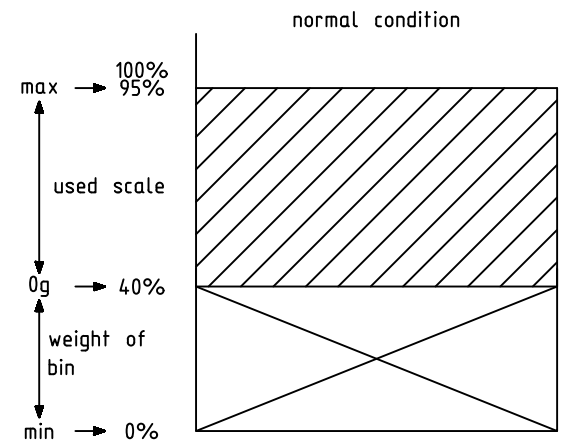
PROJECT: FERLIN GRAVIMETRIC BLENDER
 SUBJECT: I/O EXPANSION

DRAWN BY: N. Vogelzang
 DATE: 12-12-2022
 PROJECTNO. FGB MECS
 PAGE: 3 OF: 13

DRAWING NUMBER: FGB MECS H
 REVISION: 12-12-2022

A4

LOADCELL SCALE



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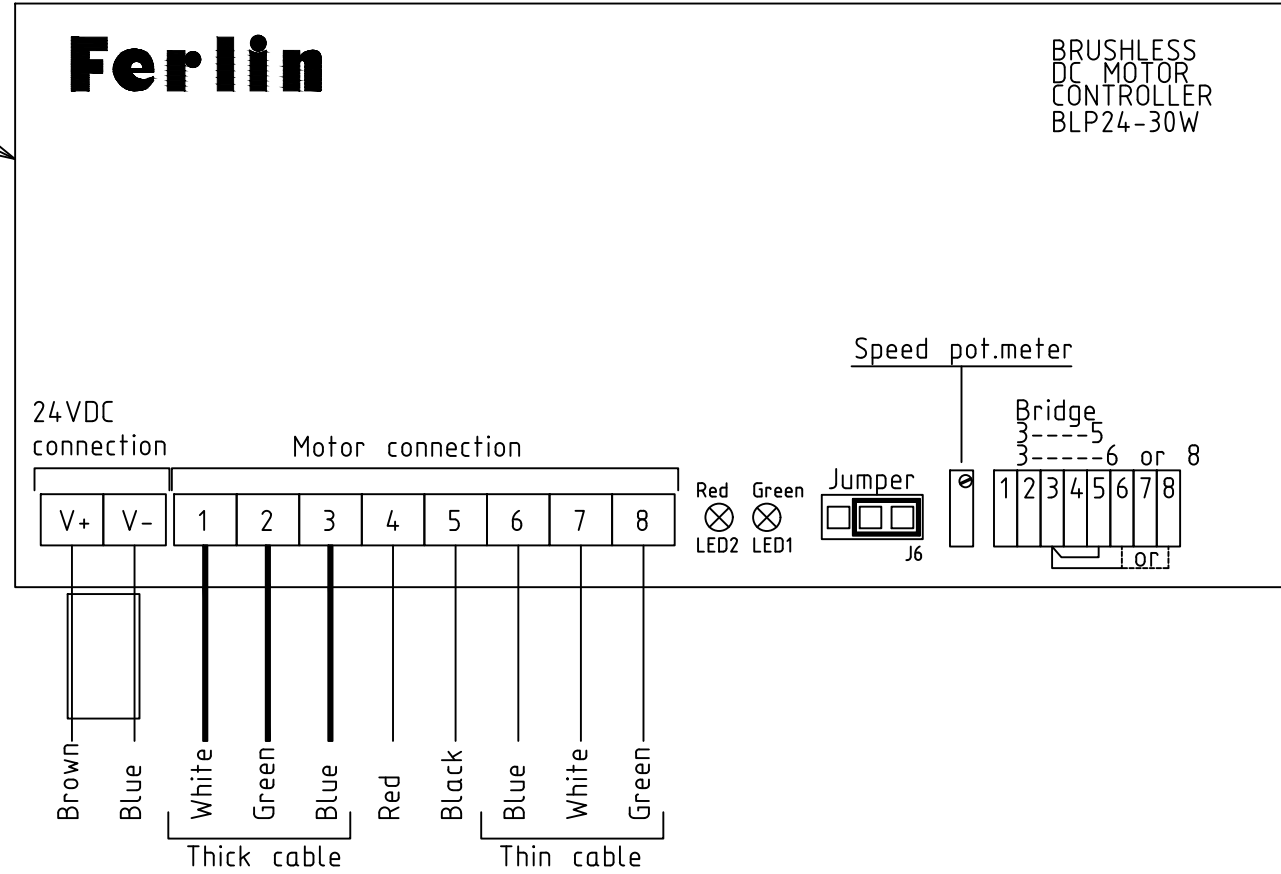
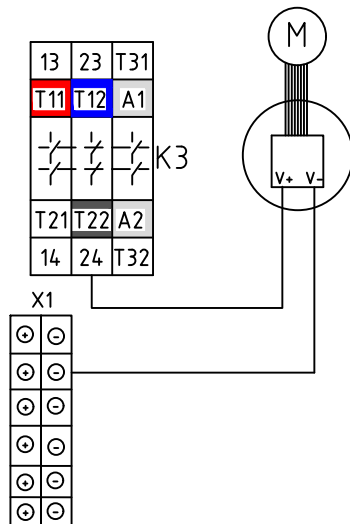
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PROJECT: FERLIN GRAVIMETRIC BLENDER
SUBJECT: LOADCELL CONNECTION

DRAWN BY: N. Vogelzang
DATE: 12-12-2022
PROJECTNO. FGB MECS
PAGE: 4 OF: 13

DRAWING NUMBER: FGB MECS H
REVISION: 12-12-2022

A4



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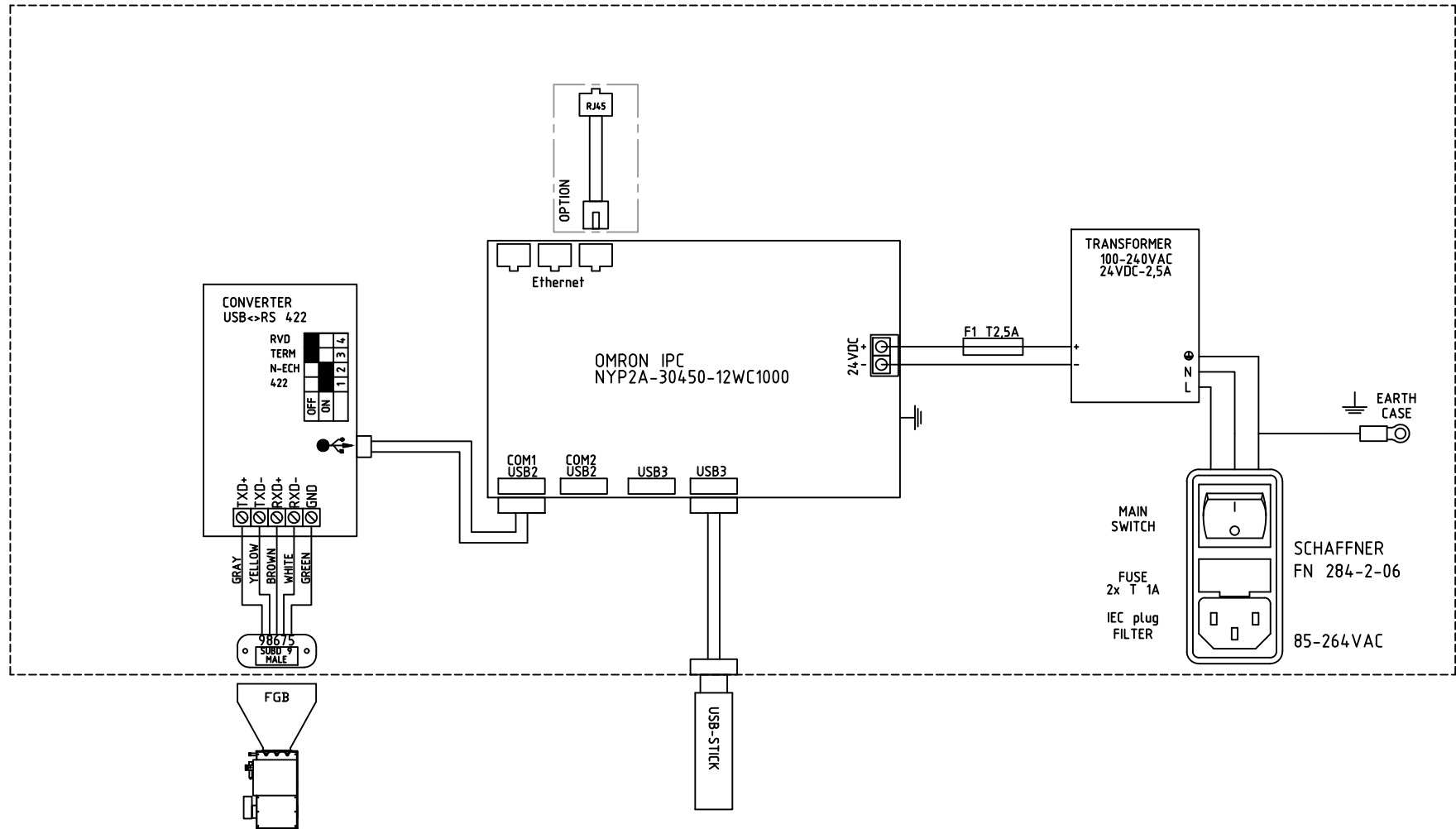
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PROJECT: FERLIN GRAVIMETRIC BLENDER
SUBJECT: MIX MOTOR CONNECTION

DRAWN BY: N. Vogelzang
DATE: 12-12-2022
PROJECTNO. FGB MECS
PAGE: 5 OF: 13

DRAWING NUMBER: FGB MECS H
REVISION: 12-12-2022

A4



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PROJECT:
FERLIN GRAVIMETRIC BLENDER

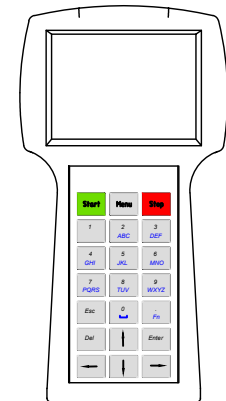
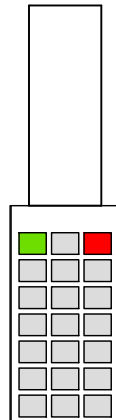
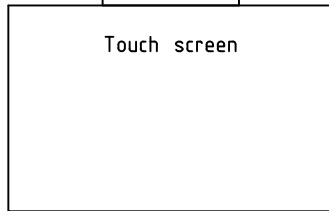
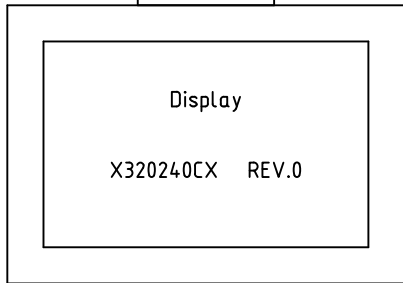
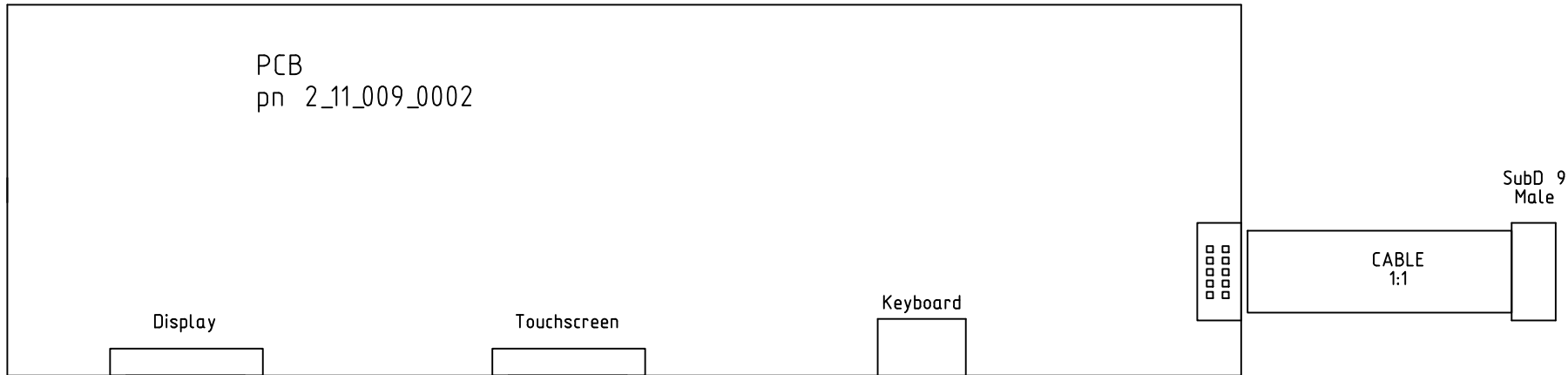
SUBJECT:
IPC USER INTERFACE

DRAWN BY: N. Vogelzang
DATE: 12-12-2022
PROJECTNO. FGB MECS
PAGE: 6 **OF:** 13

DRAWING NUMBER:
FGB MECS H

REVISION
12-12-2022

A4



HANDHELD - (EB2)

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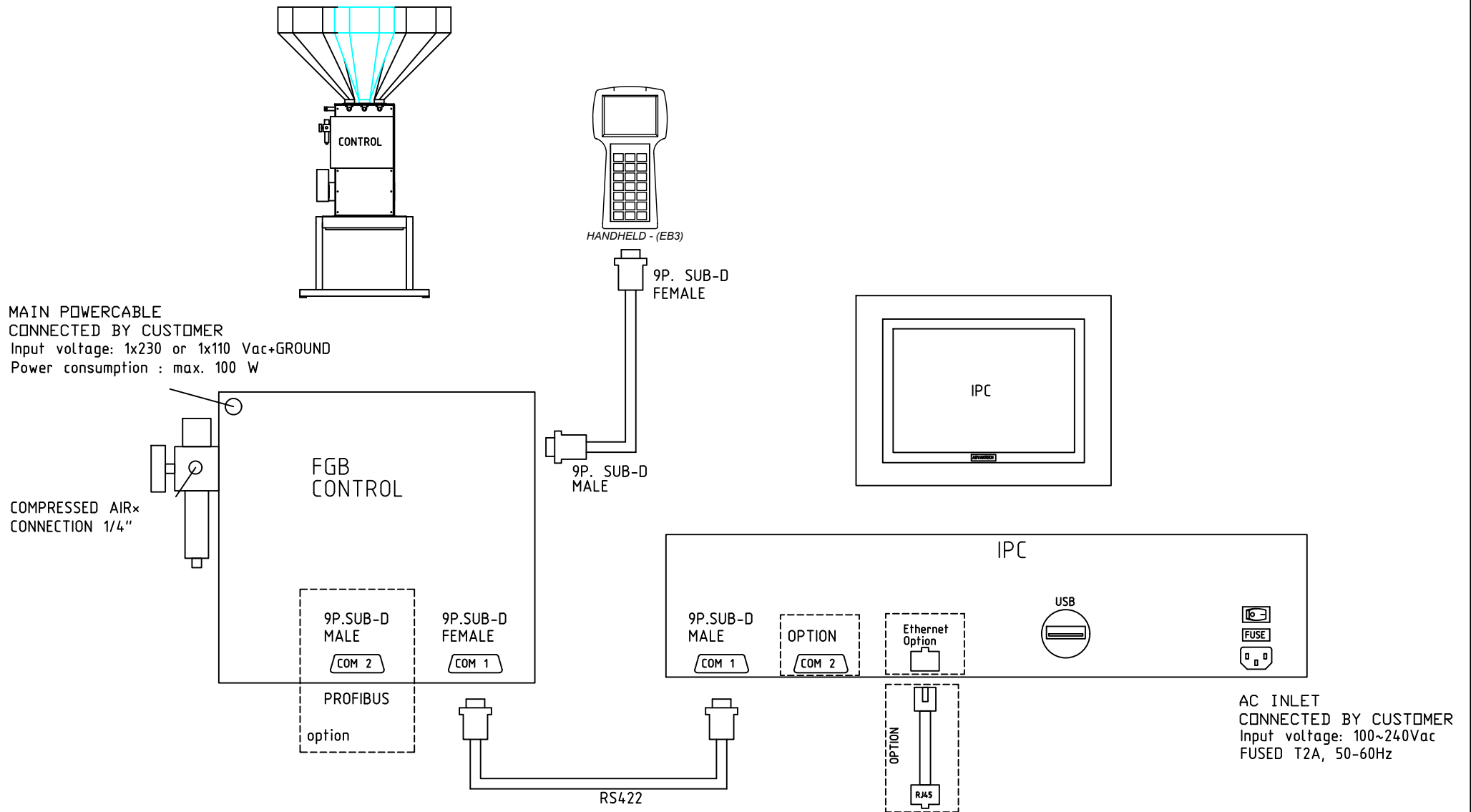
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PROJECT:
FERLIN GRAVIMETRIC BLENDER
SUBJECT:
HANDHELD TERMINAL

DRAWN BY: N. Vogelzang
DATE: 12-22-2022
PROJECTNO. FGB MECS
PAGE: 7 OF: 13

DRAWING NUMBER:
FGB MECS H
REVISION
12-22-2022

A4



MAIN POWERCABLE
CONNECTED BY CUSTOMER
Input voltage: 1x230 or 1x110 Vac+GROUND
Power consumption : max. 100 W

COMPRESSED AIR x
CONNECTION 1/4"

x COMPRESSED AIR SUPPLY : 6 BAR
COMPRESSED AIR CONSUMPTION : 200 NL/h

AC INLET
CONNECTED BY CUSTOMER
Input voltage: 100~240Vac
FUUSED T2A, 50-60Hz

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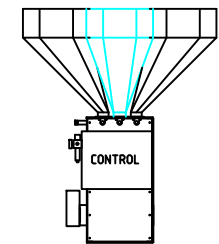
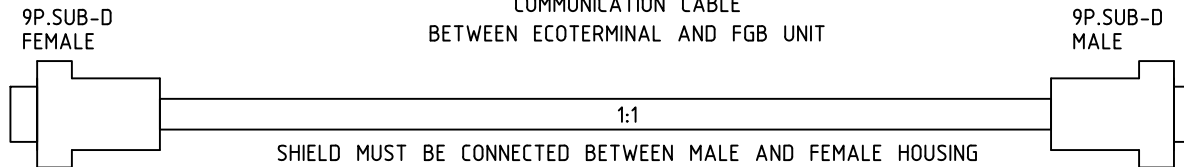
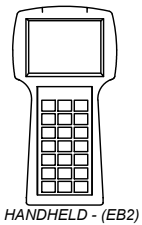
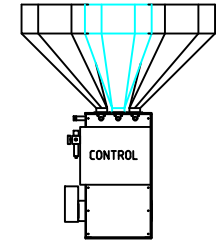
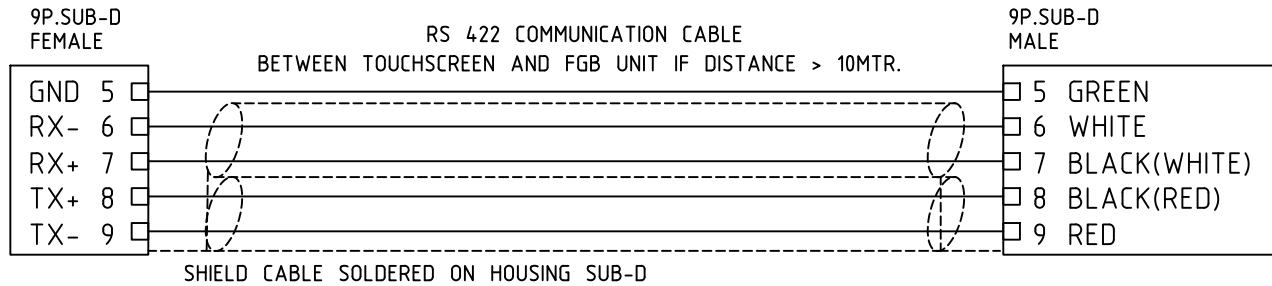
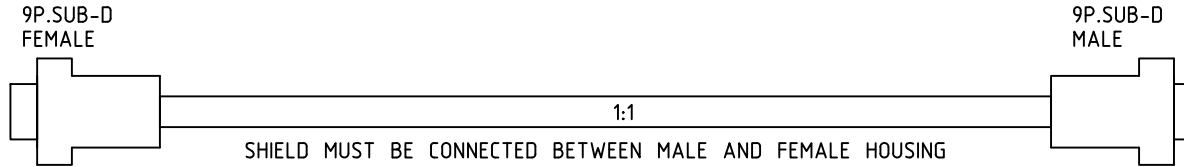
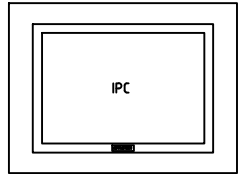
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PROJECT:
FERLIN GRAVIMETRIC BLENDER
SUBJECT:
IPC FGB CONNECTIONS

DRAWN BY: N. Vogelzang
DATE: 12-12-2022
PROJECTNO. FGB MECS
PAGE: 9 OF: 13

DRAWING NUMBER:
FGB MECS H
REVISION
12-12-2022

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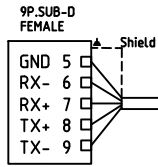
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PROJECT:
FERLIN GRAVIMETRIC BLENDER
SUBJECT:
COMMUNICATION CABLE

DRAWN BY: N. Vogelzang
DATE: 12-12-2022
PROJECTNO. FGB MECS
PAGE: 10 OF: 13

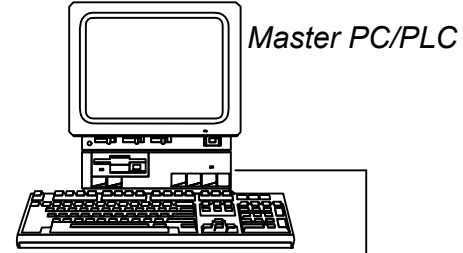
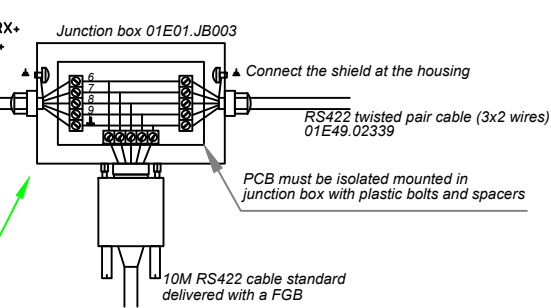
DRAWING NUMBER:
FGB MECS H
REVISION
12-12-2022

A4



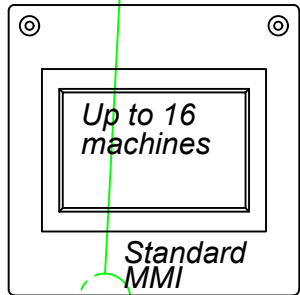
- 6 WHITE = RX-
- 7 BLACK(WHITE) = RX+
- 8 BLACK(RED) = TX+
- 9 RED = TX-
- 5 GREEN = GND

Take care of the twisted pairs
Rx+ and Rx- is a pair
Tx+ and Tx- is a pair.



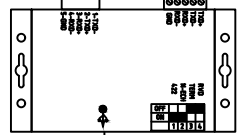
PROFIBUS DP

MAX. LENGTH
RS 422 IS 500 MTR.

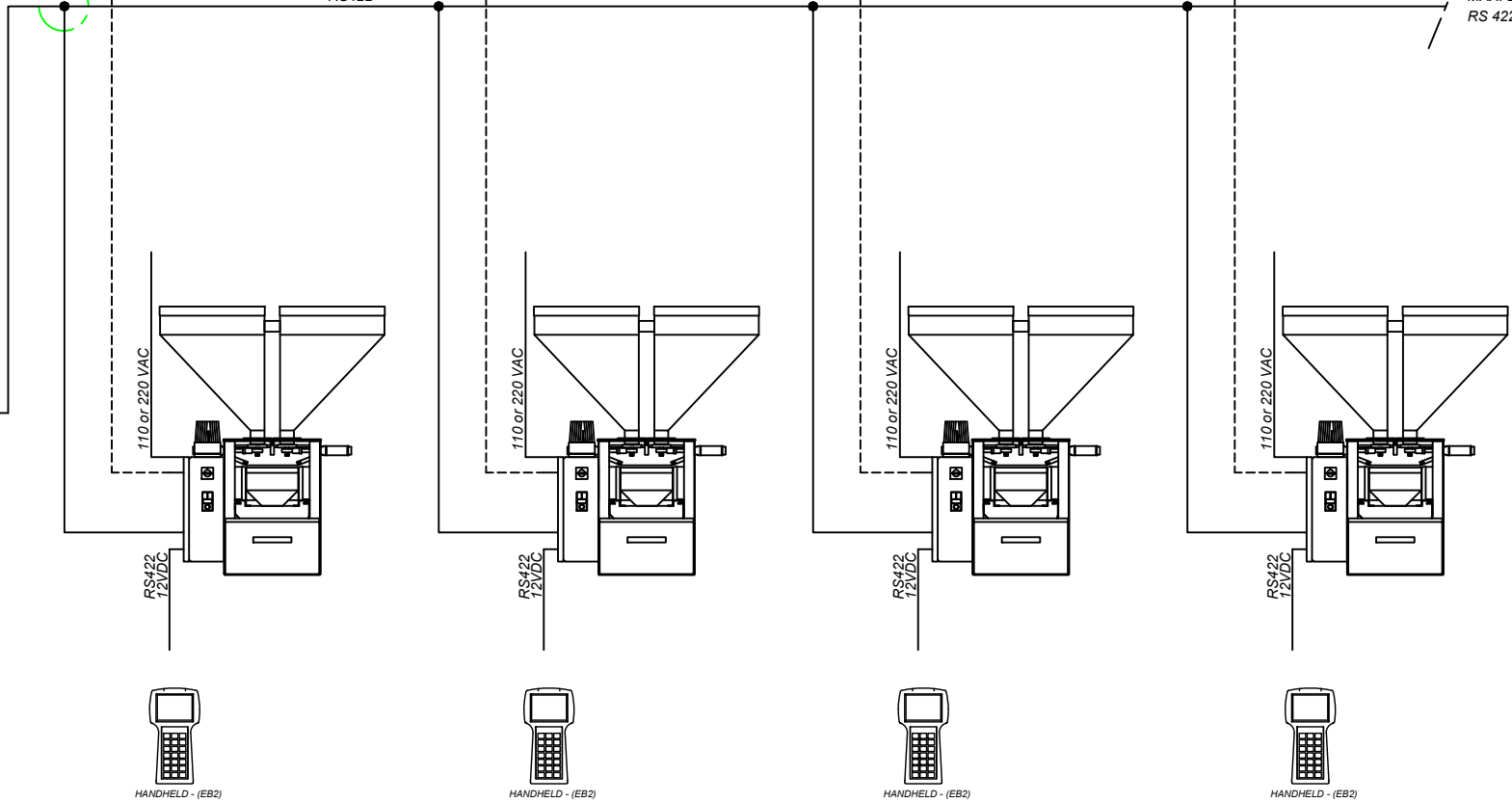
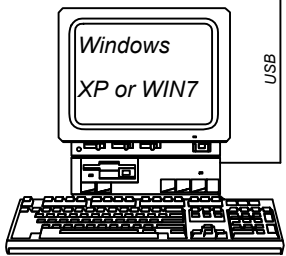


85-265VAC

or



USB



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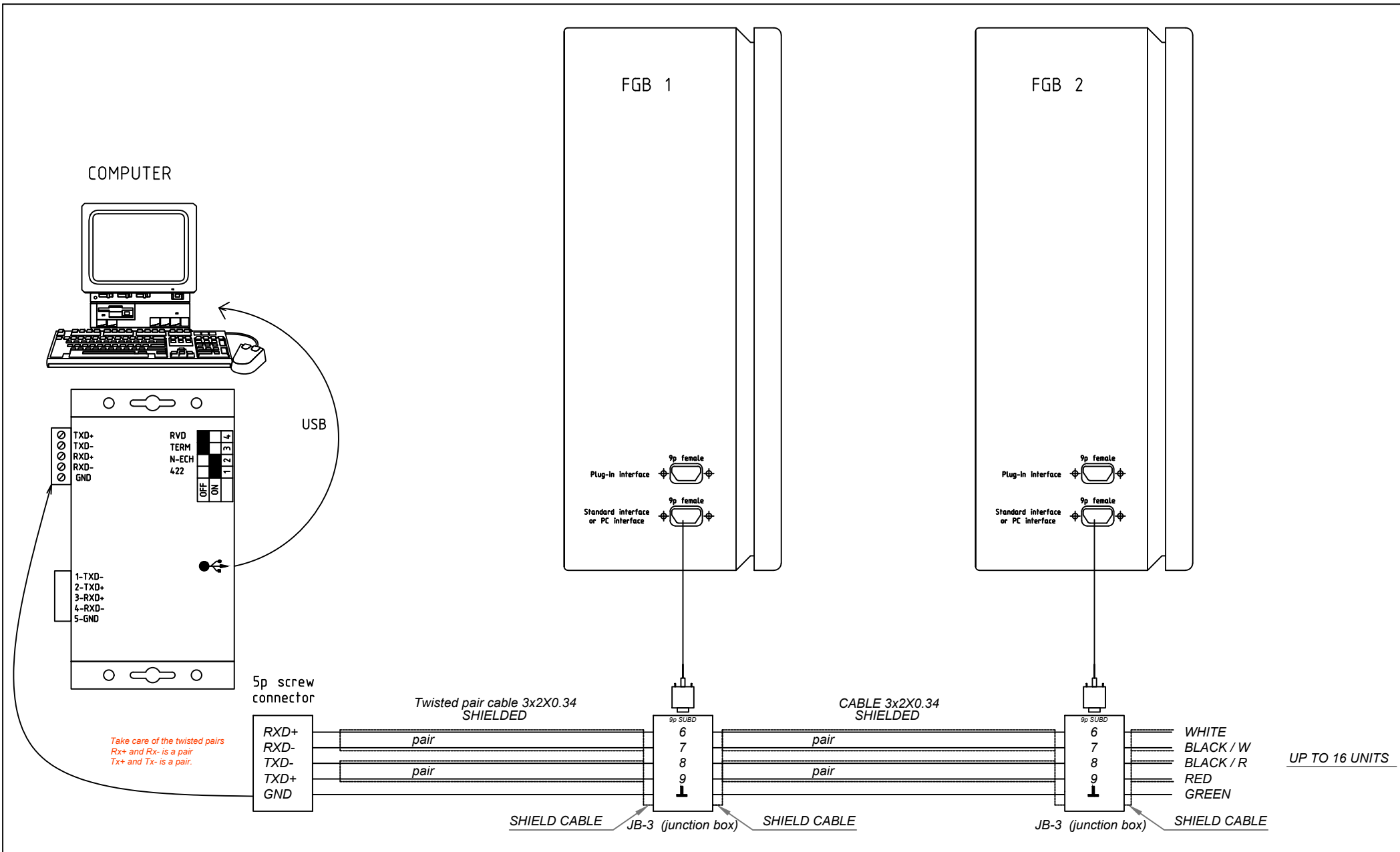
PROJECT:
FERLIN GRAVIMETRIC BLENDER

SUBJECT:
LINKING

DRAWN BY: N. Vogelzang
DATE: 12-12-2022
PROJECTNO. FGB MECS
PAGE: 11 OF: 13

DRAWING NUMBER:
FGB MECS H
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PROJECT:
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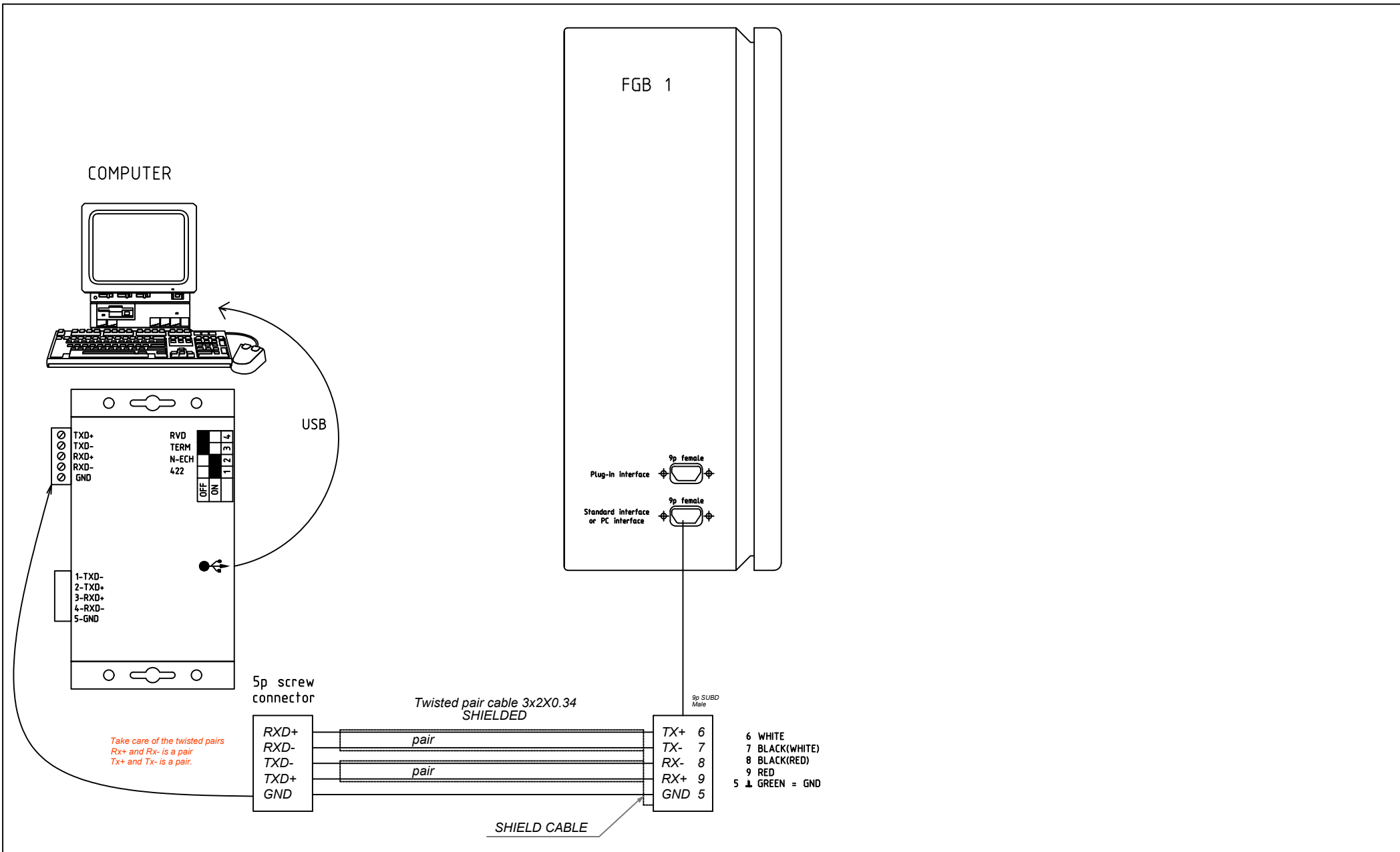
SUBJECT:
MULTI DROP IO 01 H USB<>RS422

DRAWN BY: N. Vogelzang
DATE: 12-12-2022
PROJECTNO. FGB MECS
PAGE: 12 OF: 13

DRAWING NUMBER:
FGB MECS H

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A4



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PROJECT:
FERLIN GRAVIMETRIC BLENDER

SUBJECT:
SINGLE POINT IO 01 H USB<>RS422

DRAWN BY: N. Vogelzang

DATE: 12-12-2022

PROJECTNO. FGB MECS

PAGE: 13 **OF:** 13

DRAWING NUMBER:

FGB MECS H

REVISION

12-12-2022

A4