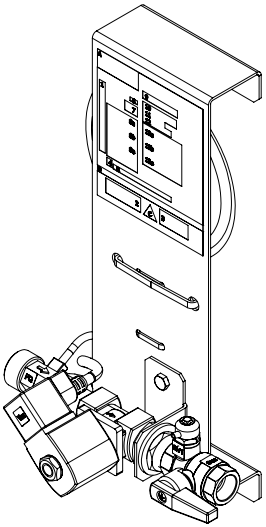
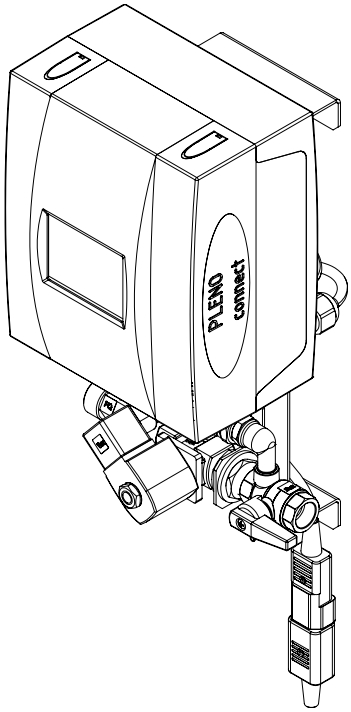
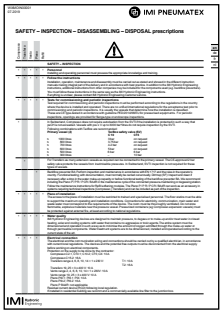
12060000366
07.2019

IMI PNEUMATEX

Pleno PX
Pleno PIX Connect
INSTALL






IMI PNEUMATEX

SAFETY – INSPECTION – DISASSEMBLING – DISPOSAL prescriptions

SAFETY – INSPECTION

General rule

Installation and commissioning operations must be carried out by qualified technicians with knowledge and capability.

Protective clothes to wear

Depending on the type of work, during installation and disassembly machine operators are asked and allowed to put different protection means in place, such as helmets, goggles, gloves, safety shoes, etc. Before starting work, operators must read the instructions for use and maintenance and comply with them. Incomplete, hasty or careless work can be dangerous and may cause injuries to the operators themselves or to others. The operators must always remain alert to their work and pay the MAXIMUM ATTENTION to the operations they are carrying out.

Safety devices to be installed on the machine

Safety for commissioning and periodic inspections

Before commissioning the machine, the safety devices must be checked by a qualified person according to the regulations in the country where the device is installed and operated. There are no unified international regulations for the competences and roles to be assigned to the personnel in charge of the safety checks. Therefore, the user must refer to the regulations in force.

Potential risks, which are not covered by the design and safety devices, and residual risks

In the machine design, all possible measures have been taken to reduce risks for the operators' safety and health.

In the Declaration of Conformity there are no risks considered acceptable but they do not fall into the essential requirements under the Machinery Directive and the applicable standards. The risks are reduced to the minimum by the use of the following measures:

Ambient conditions

Ambient conditions which must be fulfilled are listed below:

		min.	max.
T	1000 Pleno	0 °C	40 °C (std)
T	1000 Pleno	10 °C	40 °C (ATEX)
T	1001 Pleno	0 °C	40 °C (std)
T	1001 Pleno	10 °C	40 °C (ATEX)
T	1002 Pleno	0 °C	40 °C (std)
T	1002 Pleno	10 °C	40 °C (ATEX)
H	1000 / 1001 / 1002 Pleno		95%

Protection against electrical hazards

The machine is powered by electrical energy and must be connected to the electrical power network. The full compliance with the safety rules and norms for electrical hazard, mechanical hazards, etc. in force in the country of installation must be ensured.

Residual risks connected with the machine operation

Residual risks connected with the machine operation are considered as all risks that, in the case of the machine's misuse, cannot be reduced by the safety devices. Therefore, the operator must be trained to recognize these risks and to immediately after a fault or the other cause proceed to or before the least waiting of the machine to prevent the risk. Risk assessment has been carried out for the machine. The machine has been designed and built in order to eliminate as many risks as possible. Follow the maintenance instructions for the following activities. The Risk of ATTENTION MUST be carried out, as an assessment of the residual risks that could not be eliminated during the design phase of the machine.

Place of installation

The machine must be installed in a location that is not hazardous and well ventilated and protected. The floor must be clean, dry, not subject to flooding and installation conditions. Hazardous fire, electrical, chemical impact, dust, water and waste water must be kept at the requirements of the device. The room must be fitted lightly ventilated. Air volumes, temperature and humidity must be kept within the limits set out in the technical specifications of the machine and its components.

Noise level

Noise level of the machine operation is not dangerous for the operator's health. However, prolonged exposure to noise may cause fatigue and affect the operator's attention to the work, thus increasing the risk of accidents. Therefore, it is recommended that the operator wears protective equipment for the auditory tract in the event of prolonged exposure to noise.

Correct ways of use

Operating instructions

The operators must carefully read the user and operating instructions and only carry out work that they can do and responsibility for which is assigned to them. Any doubts must be clarified with the supervisor before starting the operations.

Before carrying out inspection maintenance

Before carrying out inspection maintenance, the operator:

- disconnects the machine from the electrical power supply;
- disconnects the machine from the hydraulic circuit;
- empties the machine of the fluid it contains;
- installs barriers to prevent access to the machine by unauthorized persons.

Before carrying out repair maintenance

Before carrying out repair maintenance, the operator:

- disconnects the machine from the electrical power supply;
- disconnects the machine from the hydraulic circuit;
- empties the machine of the fluid it contains;
- installs barriers to prevent access to the machine by unauthorized persons.

Correct ways of re-use

Re-use of machine components

The operations of re-use of the machine components and materials are listed correctly in conformity with the laws of the country in which the machine is installed and operated. The operations of re-use of the machine components and materials are listed correctly in conformity with the laws of the country in which the machine is installed and operated.

Disposal of machine components

Disposal of machine components at the end of their life cycle

Disposal of machine components at the end of their life cycle must be carried out in conformity with the laws of the country in which the machine is installed and operated. The operations of disposal of machine components at the end of their life cycle must be carried out in conformity with the laws of the country in which the machine is installed and operated.

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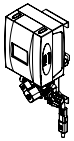
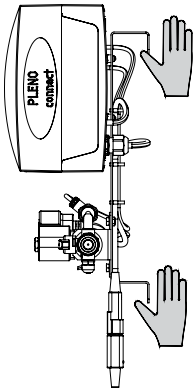
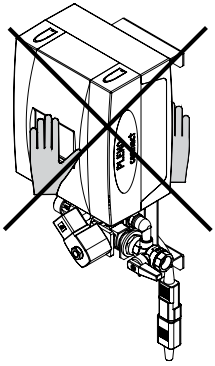
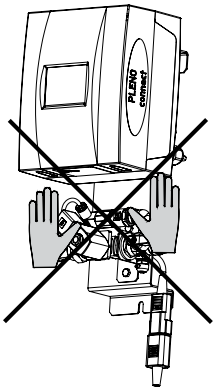
Pleno PIX Connect

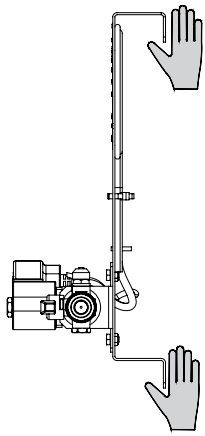


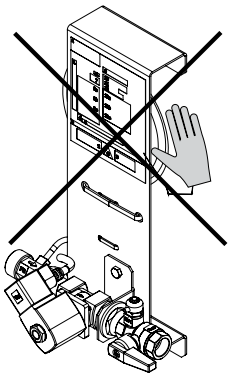


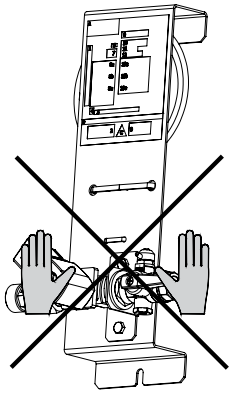


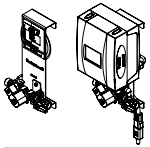


Pleno PX

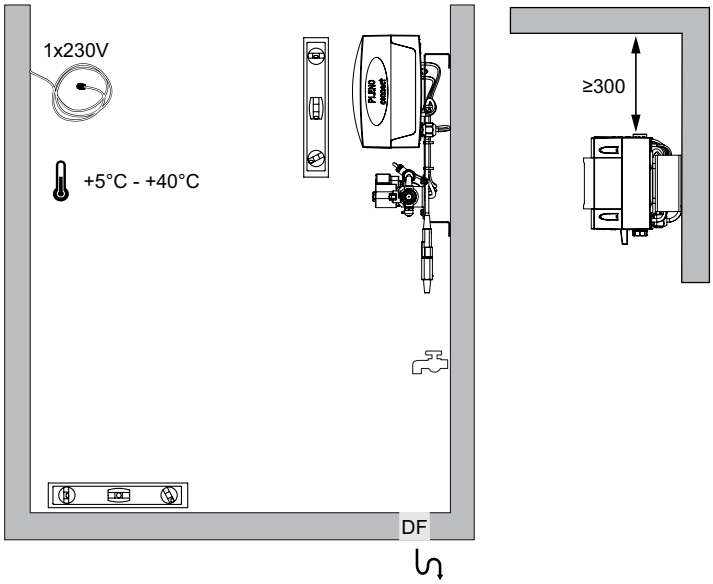


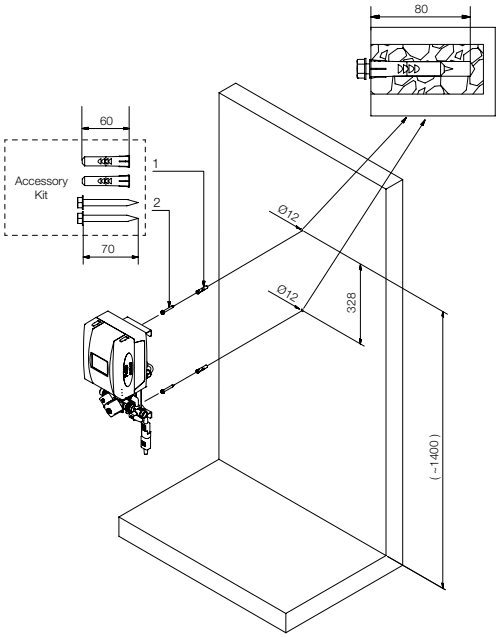


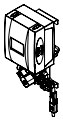




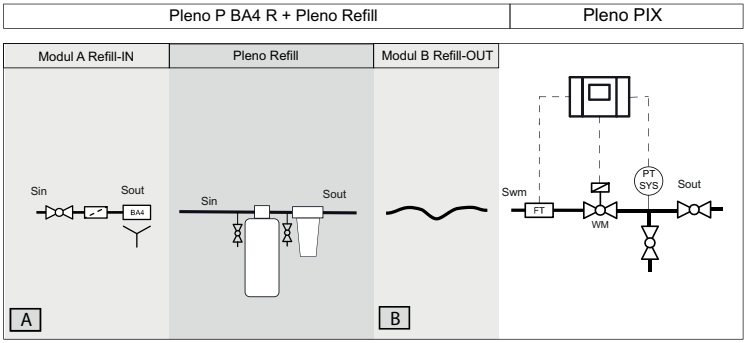
PX / PIX



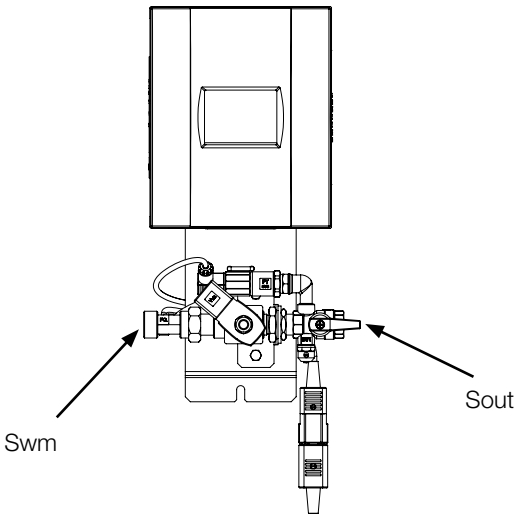




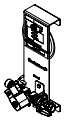
PIX



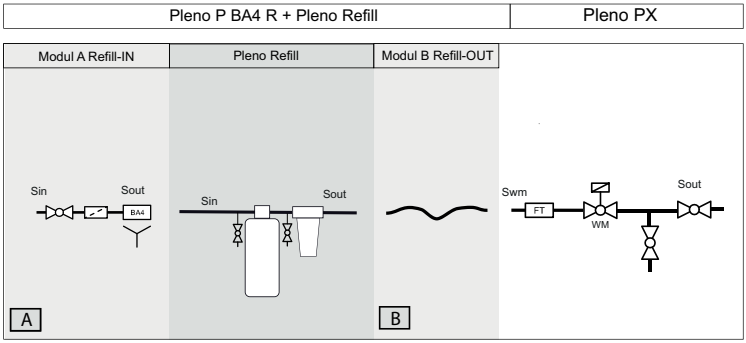
Pleno P BA4 R = Modul A + Modul B



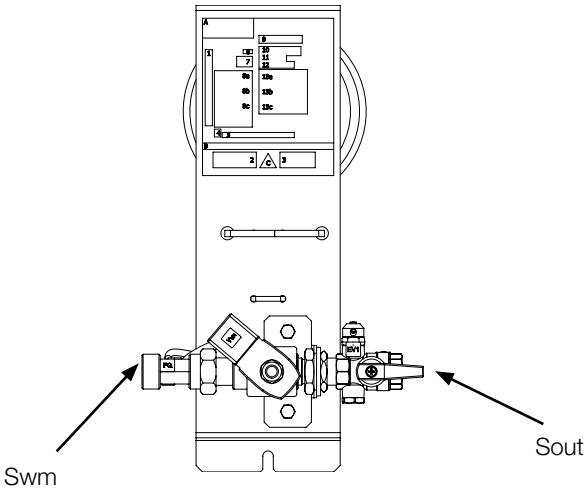
		Swm	Sout
PS	bar	10	10
Ts min	°C	0	0
Ts max	°C	65	65



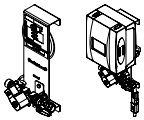
PX



Pleno P BA4 R = Modul A + Modul B

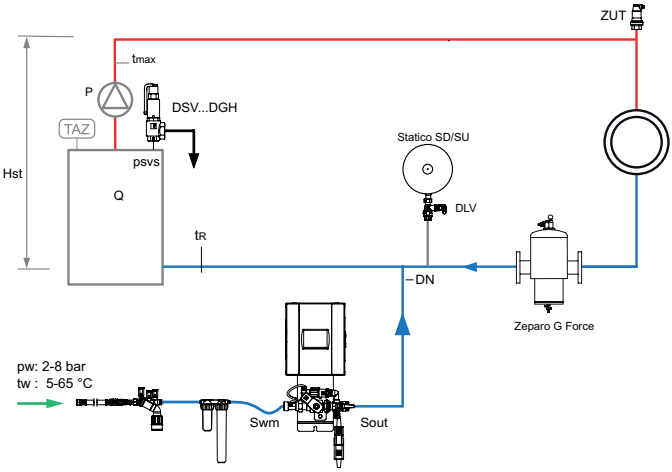


		Swm	Sout
PS	bar	10	10
Ts min	°C	0	0
Ts max	°C	65	65

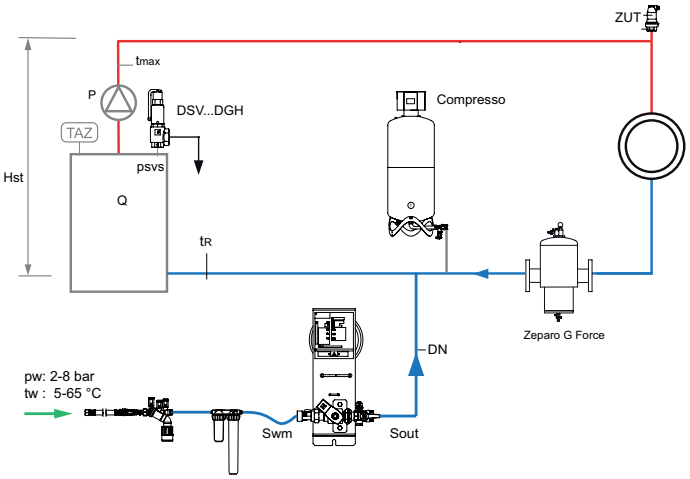


PX / PIX

Pleno P BA4R + Pleno Refill + Pleno PIX Connect



Pleno P BA4R + Pleno Refill + Pleno PX



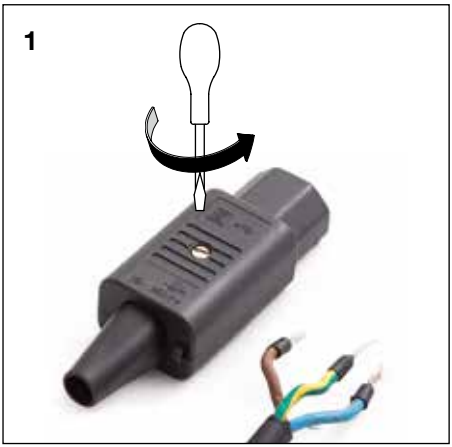
DNe

	DN
L max. 2 m	15
L max. 10 m	20
L max. 30 m	25

Pleno PIX Connect
230V/50/60 Hz
10A / 3 x 1,0 mm²

#1-5

1



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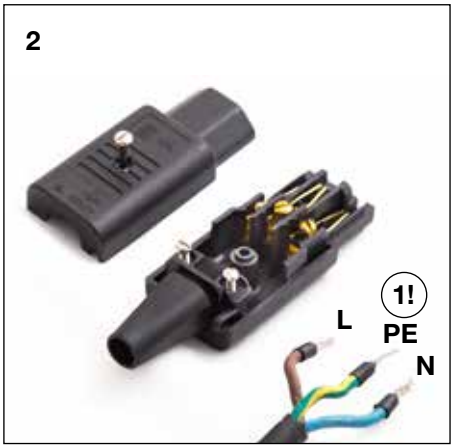

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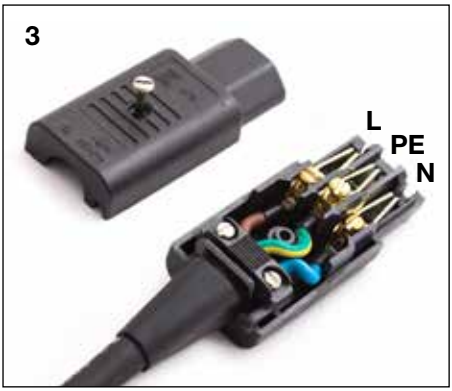

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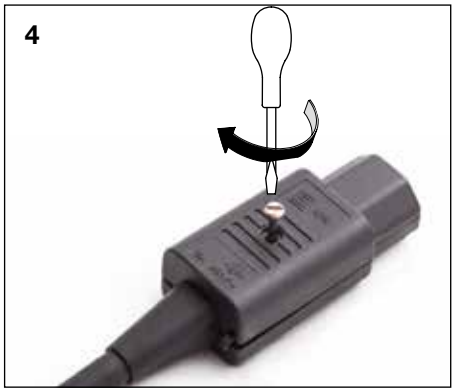

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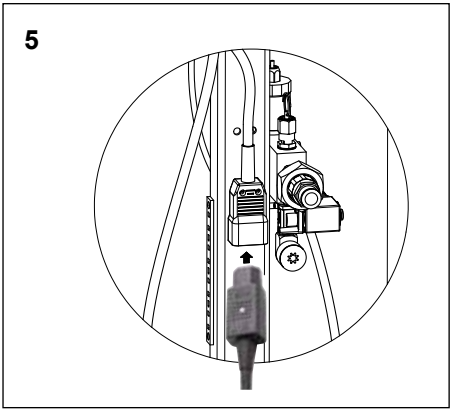

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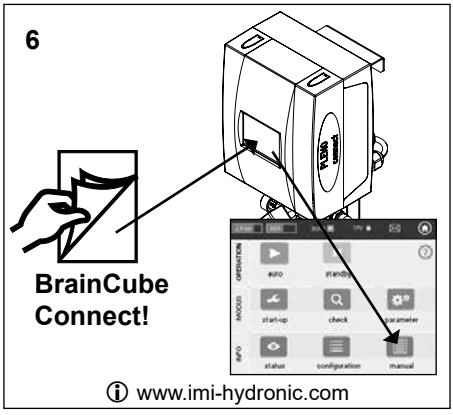
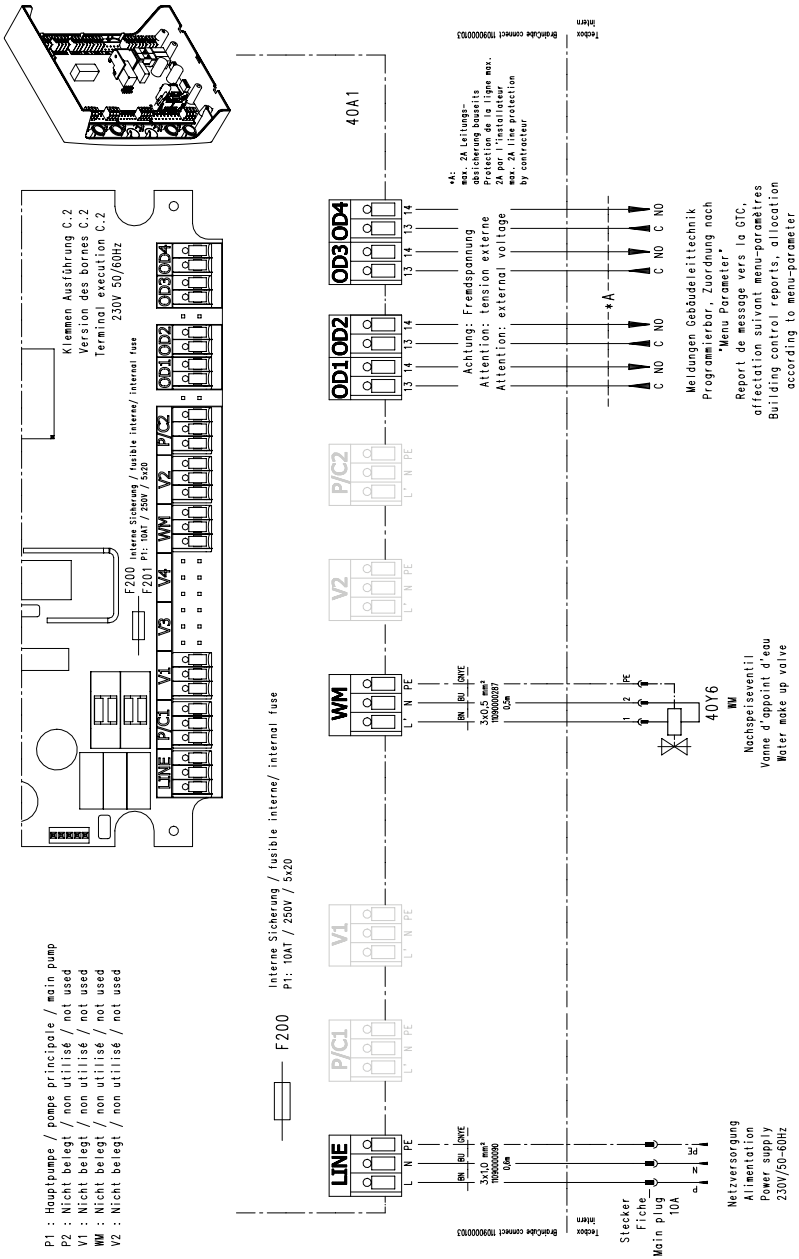
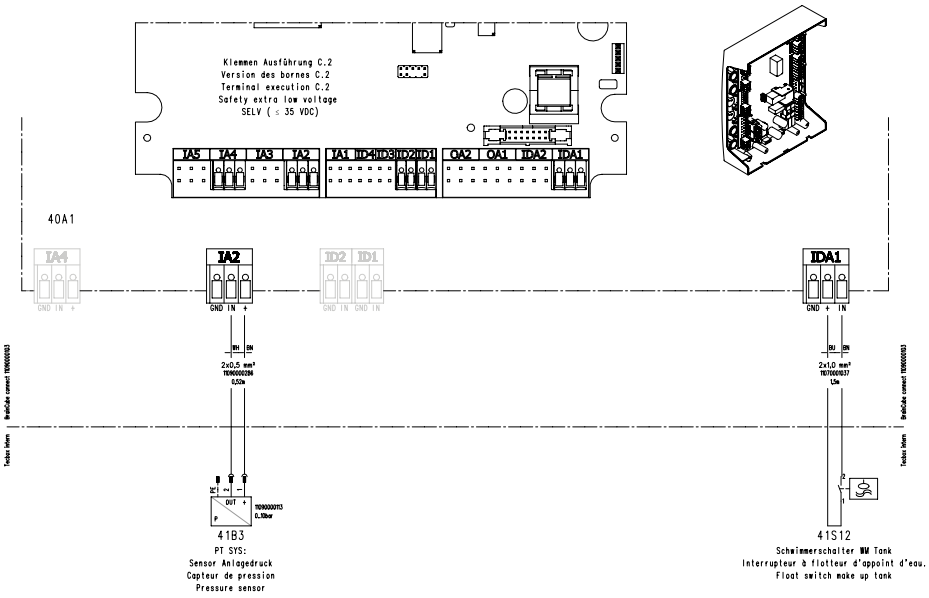


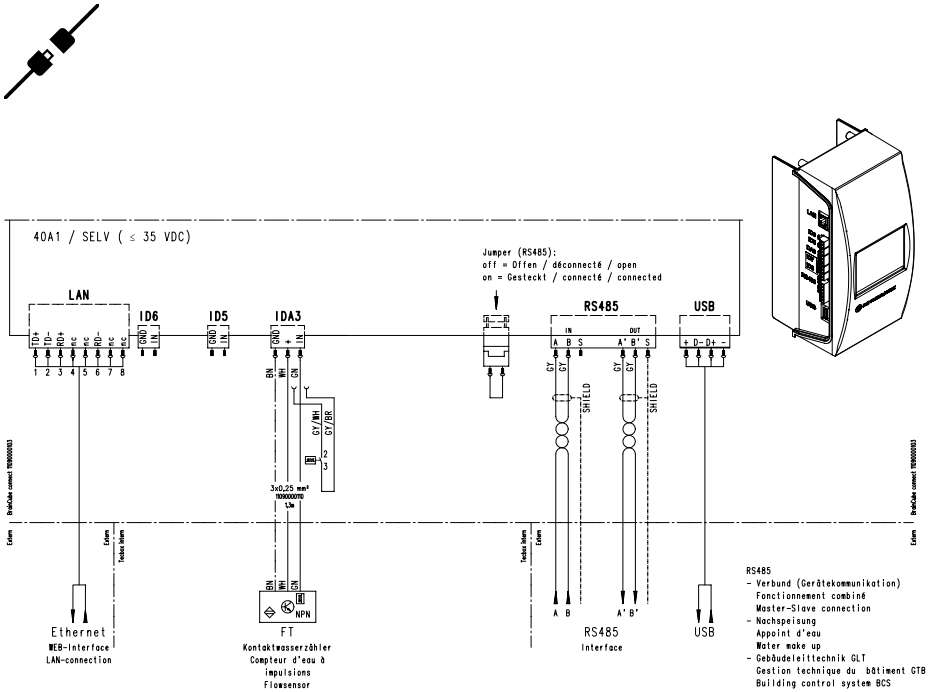
Pleno PIX Connect

230V/50/60 Hz



24V


Klemmen Ausführung C.2
Version des bornes C.2
Terminal execution C.2
Safety extra low voltage
SELV (≤ 35 VDC)
IA5 IA4 IA3 IA2 IA1 IID4 IID3 IID2 IID1 OA2 OA1 IDA2 IDA3
40A1
IA4
IA2
ID2 ID1
IDA1
GND IN +
2x0,5 mm²
2x1,0 mm²
41B3
PT SYS:
Sensor Anlagedruck
Capteur de pression
Pressure sensor
41S12
Schwimmerschalter NW Tank
Interrupteur à flotteur d'appoint d'eau.
Float switch make up tank


40A1 / SELV (≤ 35 VDC)
Jumper (RS485):
off = Offen / déconnecté / open
on = Gesteckt / connecté / connected
LAN
ID6
ID5
IDA3
RS485
USB
Ethernet
WEB-Interface
LAN-connection
FT
Kontaktwasserzähler
Compteur d'eau à
impulsions
Flowsensor
RS485
Interface
USB
RS485
- Verbund (Gerätekommunikation)
Fonctionnement combiné
Master-Slave connection
- Nachspeisung
Appoint d'eau
Water make up
- Gebäudeleittechnik GLT
Gestion technique du bâtiment GTB
Building control system BCS