

**JHI, USA**

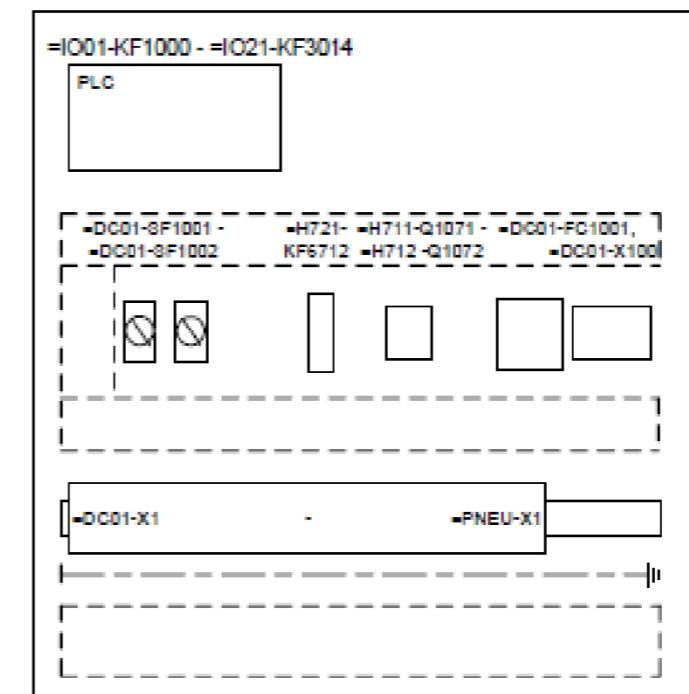
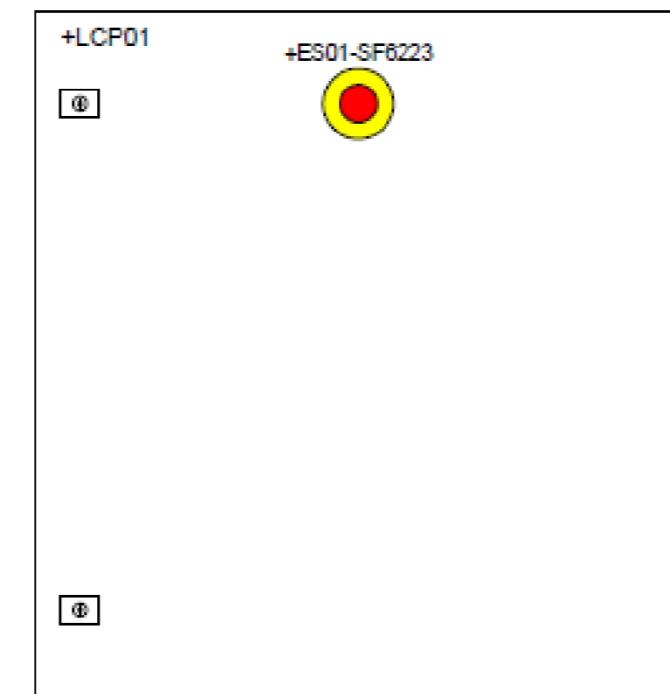
**Dan-Web Machinery A/S**

**+LCP01 Hammermill 0A**



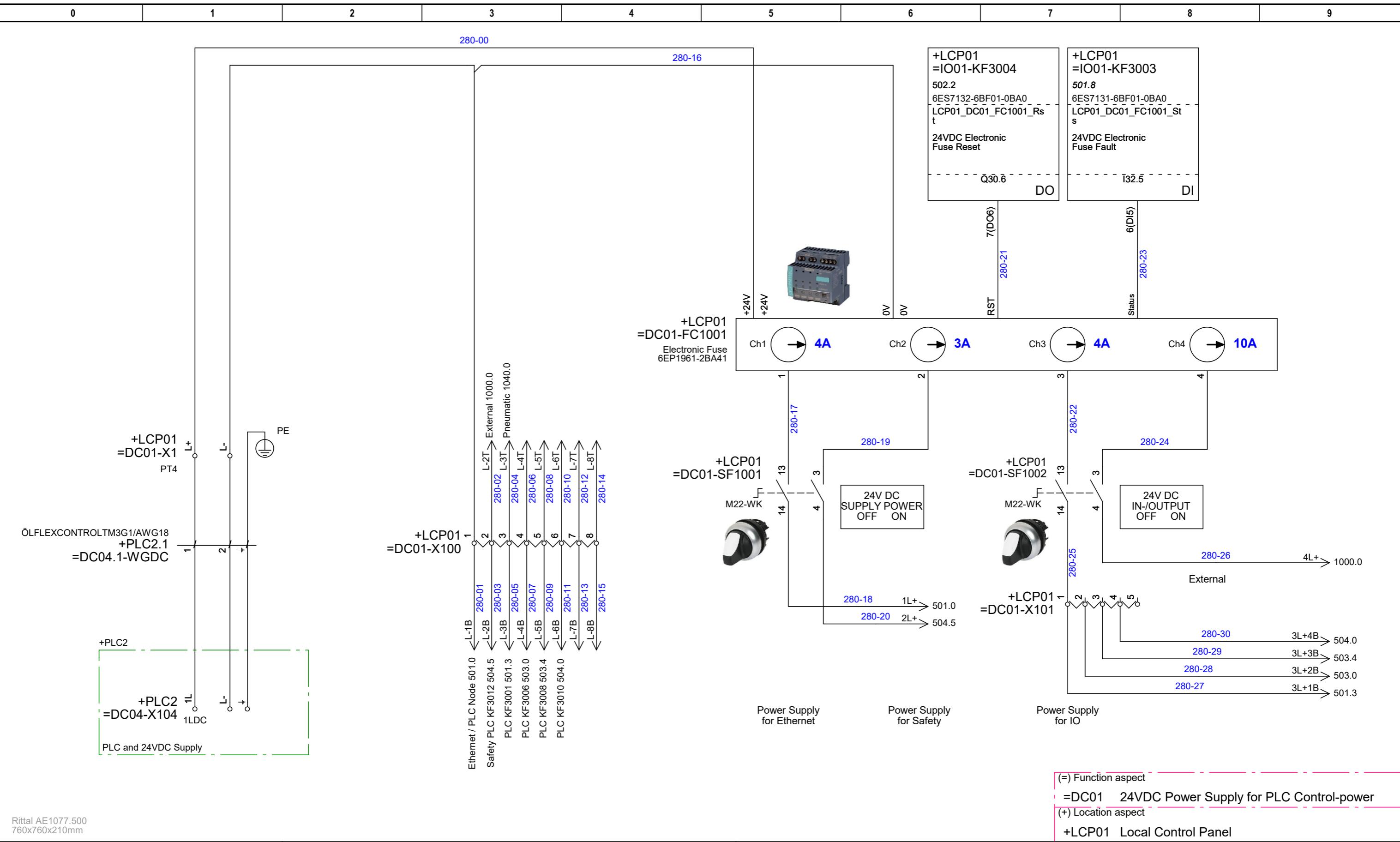
Dan-Web Machinery A/S > Røddikvej 82 > DK-8464 Galten > Tel. +45 87 43 95 00

0 1 2 3 4 5 6 7 8 9



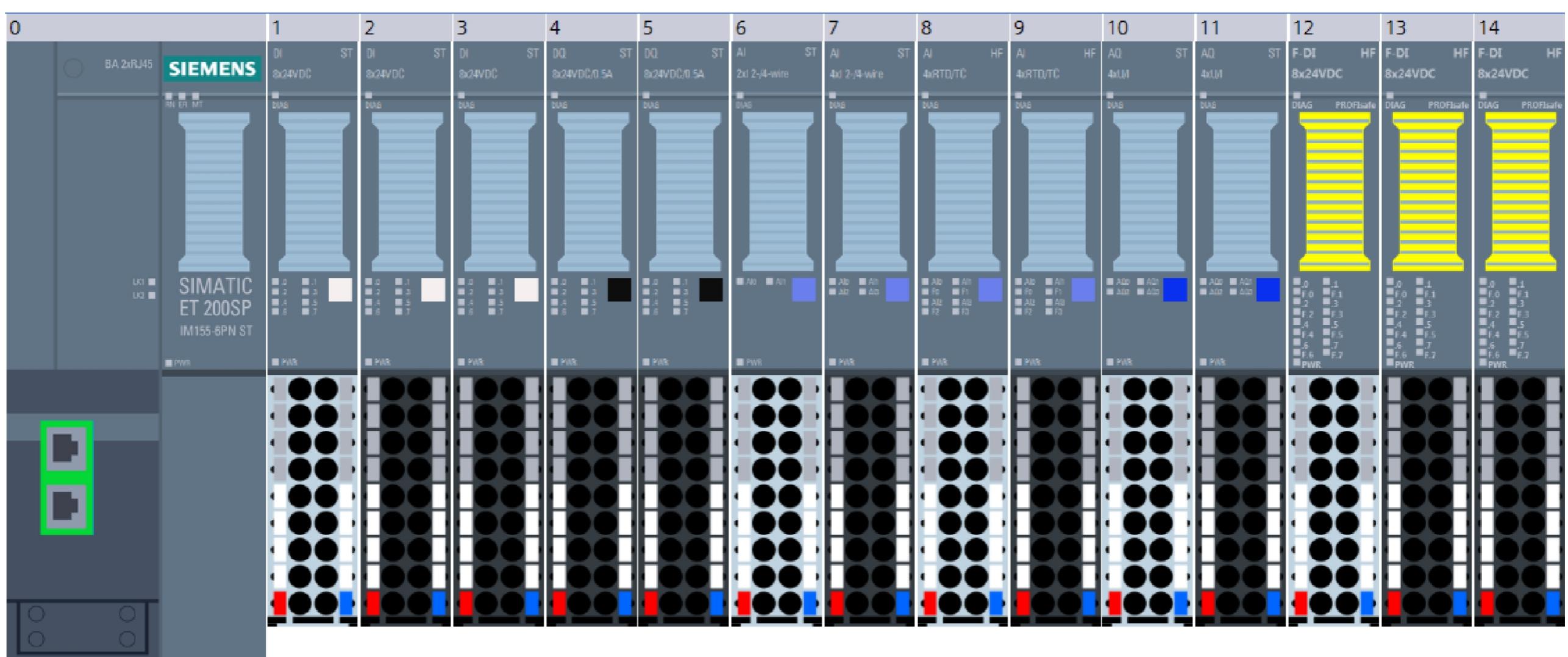


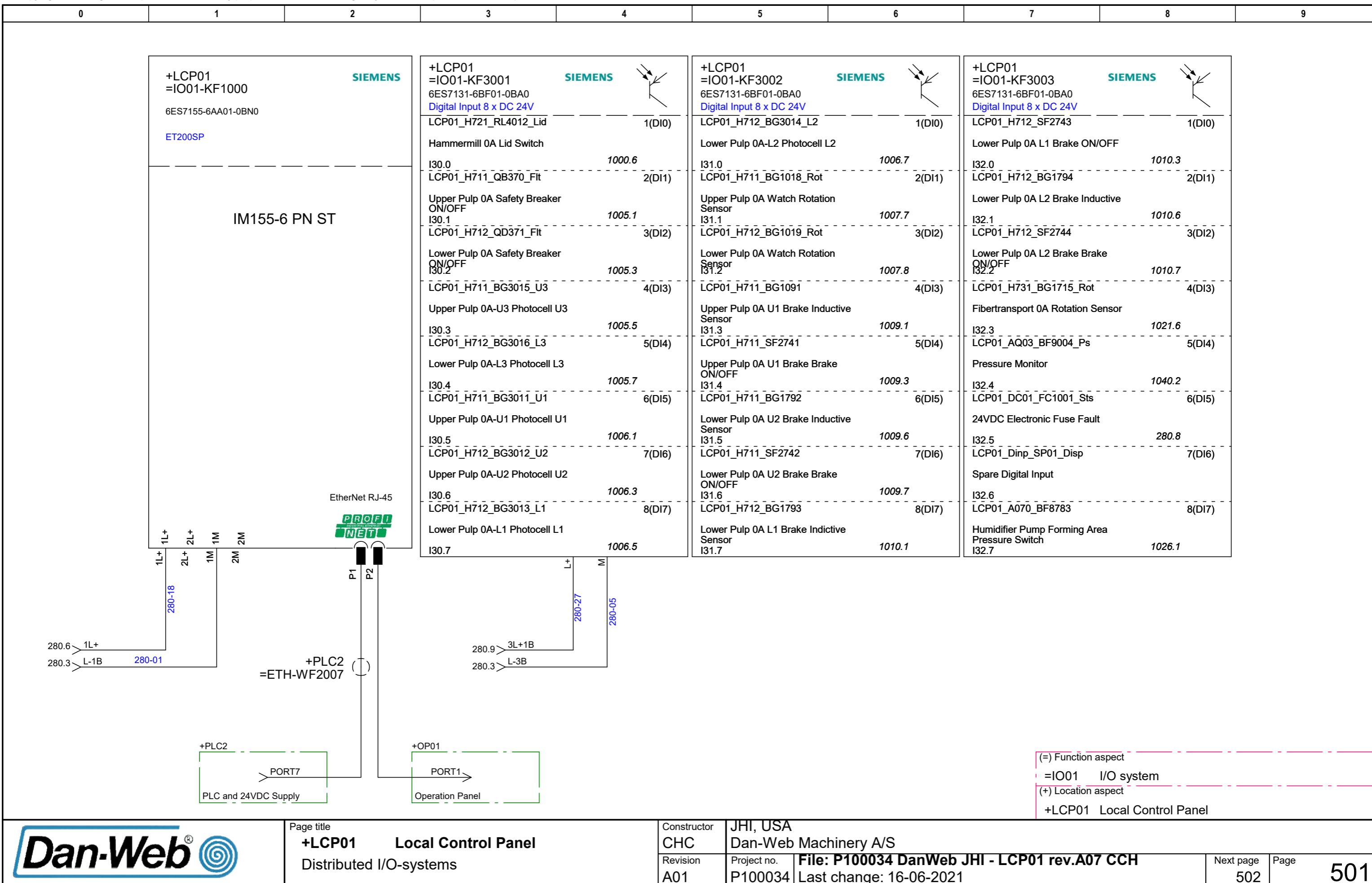
**24VDC Power Supply**



# Distributed I/O system

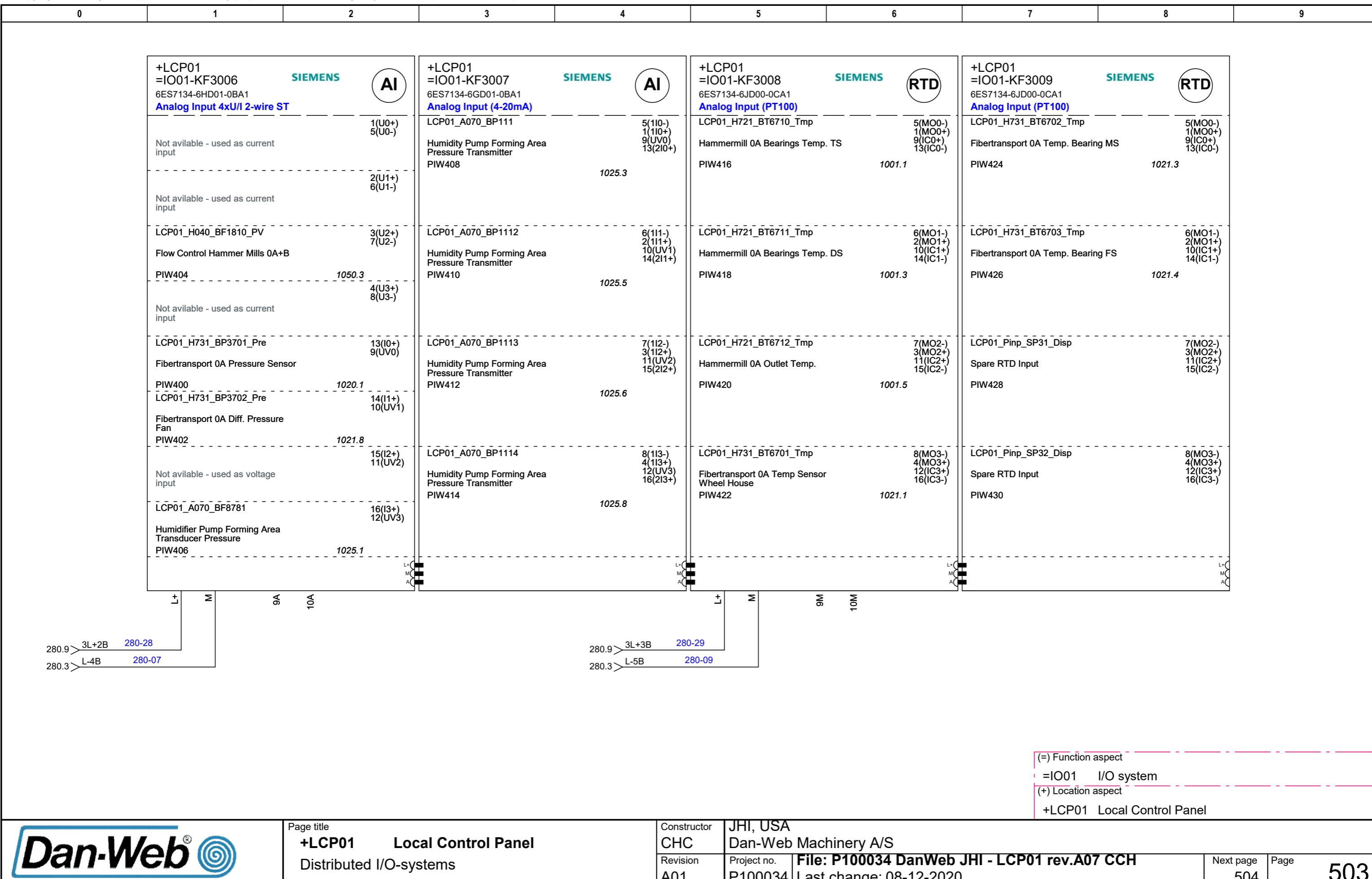


| 0   | 1   | 2  | 3  | 4  | 5  | 6 | 7 | 8 | 9 |
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|  <p>BA 2xRJ45<br/> <b>SIEMENS</b><br/>     SIMATIC<br/>     ET 200SP<br/>     IM155-6PN ST<br/>     16x DI 24VDC<br/>     8x AI 0-24VDC/0.5A<br/>     4x AO 0-24VDC<br/>     8x HF</p>   | <span style="color: green;">(=)</span> Function aspect<br><span style="color: red;">+)</span> Location aspect | <span style="color: green;">(=)</span> I/O system<br><span style="color: red;">+)</span> Local Control Panel | <span style="color: green;">(=)</span> JHI, USA<br><span style="color: red;">+)</span> Dan-Web Machinery A/S | <span style="color: green;">(=)</span> File: P100034 DanWeb JHI - LCP01 rev.A07 CCH<br><span style="color: red;">+)</span> Last change: 28-10-2020 | <span style="color: green;">(=)</span> Next page<br><span style="color: red;">+)</span> Page |   |   |   |   |



| 0   | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|--|---|---|---|---|---|---|---|---|
|  <p>+LCP01<br/>=IO01-KF3004<br/>6ES7132-6BF01-0BA0<br/>8 Digital Output DC24V/0,5A</p> <p>LCP01_H711_PH2741 1(DO0)</p> <p>Upper Pulp 0A U1 Brake Brake On</p> <p>Q30.0 1009.4<br/>LCP01_H711_PH2742 2(DO1)</p> <p>Lower Pulp 0A U2 Brake Brake On</p> <p>Q30.1 1009.8<br/>LCP01_H712_PH2743 3(DO2)</p> <p>Lower Pulp 0A L1 Brake Brake On</p> <p>Q30.2 1010.4<br/>LCP01_H712_PH2744 4(DO3)</p> <p>Lower Pulp 0A L2 Brake Brake On</p> <p>Q30.3 1010.8<br/>LCP01_H711_QM1071_Opn 5(DO4)</p> <p>Upper Pulp 0A Up/Down Open/ Close Nip</p> <p>Q30.4 1040.4<br/>LCP01_H712_QM1072_Opn 6(DO5)</p> <p>Lower Pulp 0A Up/Down Open/ Close Nip</p> <p>Q30.5 1040.6<br/>LCP01_DC01_FC1001_Rst 7(DO6)</p> <p>24VDC Electronic Fuse Reset</p> <p>Q30.6 280.7<br/>LCP01_A070_QM1600 8(DO7)</p> <p>Humidifier Pump Forming Area Water Supply Valve</p> <p>Q30.7 1026.3</p> |  <p>+LCP01<br/>=IO01-KF3005<br/>6ES7132-6BF01-0BA0<br/>8 Digital Output DC24V/0,5A</p> <p>LCP01_Dout_SP20_Dis 1(DO0)</p> <p>Spare Digital Output</p> <p>Q31.0 LCP01_Dout_SP21_Dis 2(DO1)</p> <p>Spare Digital Output</p> <p>Q31.1 LCP01_Dout_SP22_Dis 3(DO2)</p> <p>Spare Digital Output</p> <p>Q31.2 LCP01_Dout_SP23_Dis 4(DO3)</p> <p>Spare Digital Output</p> <p>Q31.3 LCP01_Dout_SP24_Dis 5(DO4)</p> <p>Spare Digital Output</p> <p>Q31.4 LCP01_Dout_SP25_Dis 6(DO5)</p> <p>Spare Digital Output</p> <p>Q31.5 LCP01_Dout_SP26_Dis 7(DO6)</p> <p>Spare Digital Output</p> <p>Q31.6 LCP01_Dout_SP27_Dis 8(DO7)</p> <p>Spare Digital Output</p> <p>Q31.7</p> |   |   |   |   |   |   |   |   |

(=) Function aspect  
 =IO01 I/O system  
 (+) Location aspect  
 +LCP01 Local Control Panel



| 0   | 1              | 2   | 3  | 4  | 5  | 6  | 7  | 8  | 9 |  |
|---|----------------|---|--|--|--|--|--|--|---|--|
| +LCP01<br>=IO01-KF3010<br>6ES7135-6HD00-0BA1<br><b>Analog Output 4x U/I</b>         | <b>SIEMENS</b> | +LCP01<br>=IO01-KF3011<br>6ES7135-6HD00-0BA1<br><b>Analog Output 4x U/I</b> | <b>SIEMENS</b>                           | +LCP01<br>=IO01-KF3012<br>6ES7136-6BA00-0CA0<br><b>Safety Digital Input 8 x DC 24V</b>   | <b>SIEMENS</b>   | +LCP01<br>=IO01-KF3013<br>6ES7136-6BA00-0CA0<br><b>Safety Digital Input 8 x DC 24V</b>   | <b>SIEMENS</b>   |  |   |  |
| LCP01_H711_MB1011_Cv<br>Upper Pulp 0A U1 Brake Adjust<br>Tension On Brake<br>PQW400 | 1041.1         | LCP01_H040_MA1810_Cv<br>Flow Control Hammer Mills 0A+B<br>PQW408            | 1050.2                                   | LCP01_H721_KF6712_ChA<br>Hammermill 0A Rotating<br>I100.0<br>LCP01_H721_RL4712_ChA<br>Hammermill 0A Lid Locked<br>I100.1<br>LCP01_H711_BG7010_ChA<br>Upper Pulp 0A Lid Switch<br>I100.2<br>LCP01_H712_BG7011_ChA<br>Lower Pulp 0A Lid Switch<br>I100.3<br>LCP01_H721_KF6712_ChB<br>Hammermill 0A Rotating<br>I100.4<br>LCP01_H721_RL4712_ChB<br>Hammermill 0A Lid Locked<br>I100.5<br>LCP01_H711_BG7010_ChB<br>Upper Pulp 0A Lid Switch<br>I100.6<br>LCP01_H712_BG7011_ChB<br>Lower Pulp 0A Lid Switch<br>I100.7 | 1(DI0)<br>1000.3<br>2(DI1)<br>1000.7<br>3(DI2)<br>1007.1<br>4(DI3)<br>1007.4<br>5(DI4)<br>1000.4<br>6(DI5)<br>1000.8<br>7(DI6)<br>1007.2<br>8(DI7)<br>1007.5 | LCP01_H721_KF6712_ChA<br>Hammermill 0A Rotating<br>I100.0<br>LCP01_H721_RL4712_ChA<br>Hammermill 0A Lid Locked<br>I100.1<br>LCP01_H711_BG7010_ChA<br>Upper Pulp 0A Lid Switch<br>I100.2<br>LCP01_H712_BG7011_ChA<br>Lower Pulp 0A Lid Switch<br>I100.3<br>LCP01_H721_KF6712_ChB<br>Hammermill 0A Rotating<br>I100.4<br>LCP01_H721_RL4712_ChB<br>Hammermill 0A Lid Locked<br>I100.5<br>LCP01_H711_BG7010_ChB<br>Upper Pulp 0A Lid Switch<br>I100.6<br>LCP01_H712_BG7011_ChB<br>Lower Pulp 0A Lid Switch<br>I100.7 | LCP01_ES01_SF6221_ChA<br>Emergency Stop OP01<br>I106.0<br>LCP01_ES01_SF6222_ChA<br>Spare Safety Digital Input<br>I106.1<br>LCP01_ES01_SF6223_ChA<br>Emergency Stop LCP01<br>I106.2<br>LCP01_Sdin_SP33_Dispt<br>Spare Safety Digital Input<br>I106.3<br>LCP01_ES01_SF6221_ChB<br>Emergency Stop OP01<br>I106.4<br>LCP01_ES01_SF6222_ChB<br>Spare Safety Digital Input<br>I106.5<br>LCP01_ES01_SF6223_ChB<br>Emergency Stop LCP01<br>I106.6<br>LCP01_Sdin_SP34_Dispt<br>Spare Safety Digital Input<br>I106.7 | 1(DI0)<br>1035.1<br>2(DI1)<br>1035.3<br>3(DI2)<br>1035.5<br>4(DI3)<br>1035.7<br>5(DI4)<br>1035.2<br>6(DI5)<br>1035.4<br>7(DI6)<br>1035.6<br>8(DI7)<br>1035.8 |   |  |
| LCP01_H711_MB1012_Cv<br>Upper Pulp 0A U2 Brake Adjust<br>Tension On Brake<br>PQW402 | 1041.3         | LCP01_Aout_SP28_Dispt<br>Spare Analog Output<br>PQW410                      | 2(AO1+)<br>6(AO1-)<br>10(S1+)<br>14(S1-) | LCP01_Aout_SP29_Dispt<br>Spare Analog Output<br>PQW412   | 3(AO2+)<br>7(AO2-)<br>11(S2+)<br>15(S2-)   | LCP01_Aout_SP30_Dispt<br>Spare Analog Output<br>PQW414   | 4(AO3+)<br>8(AO3-)<br>12(S3+)<br>16(S3-)   |  |   |  |
| LCP01_H711_MB1013_Cv<br>Lower Pulp 0A L1 Brake Adjust<br>Tension On Brake<br>PQW404 | 1041.4         |   |  |  |  |  |  |  |   |  |
| LCP01_H711_MB1014_Cv<br>Lower Pulp 0A L2 Brake Adjust<br>Tension On Brake<br>PQW406 | 1041.6         |   |  |  |  |  |  |  |   |  |

280.9 > 3L+4B 280-30  
280.4 > L-6B 280-11

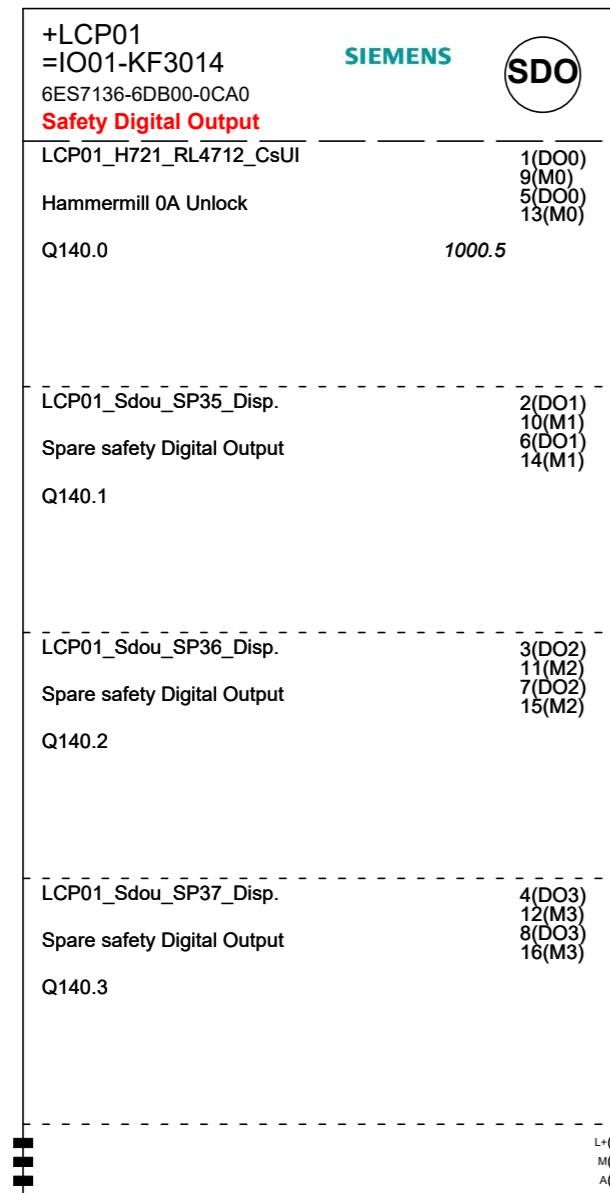
± M 9A 10A

280.6,1035.0 > 2L+ 280-20  
280.3 > L-2B 280-03

±

(=) Function aspect  
=IO01 I/O system  
(+) Location aspect  
+LCP01 Local Control Panel

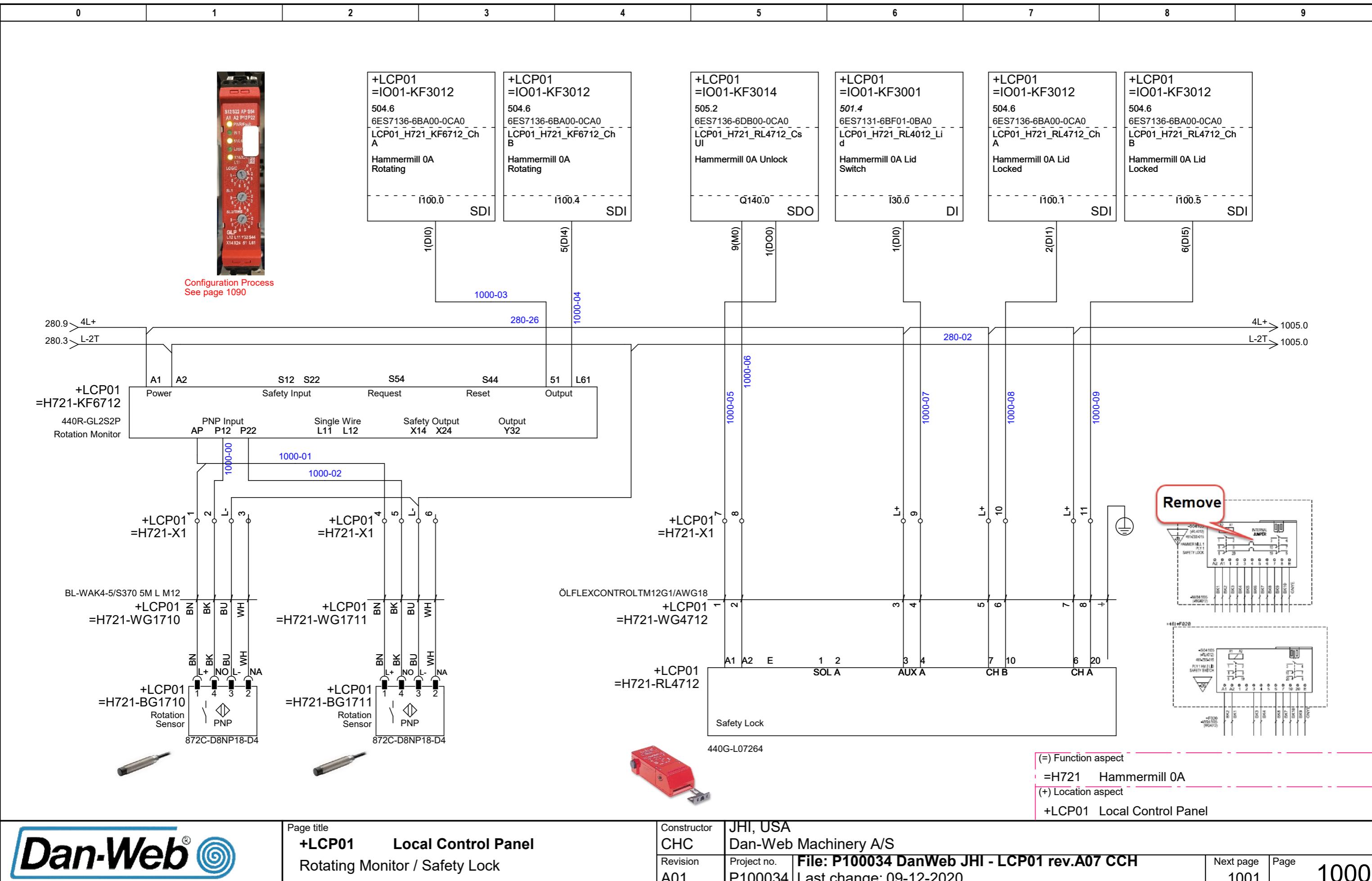
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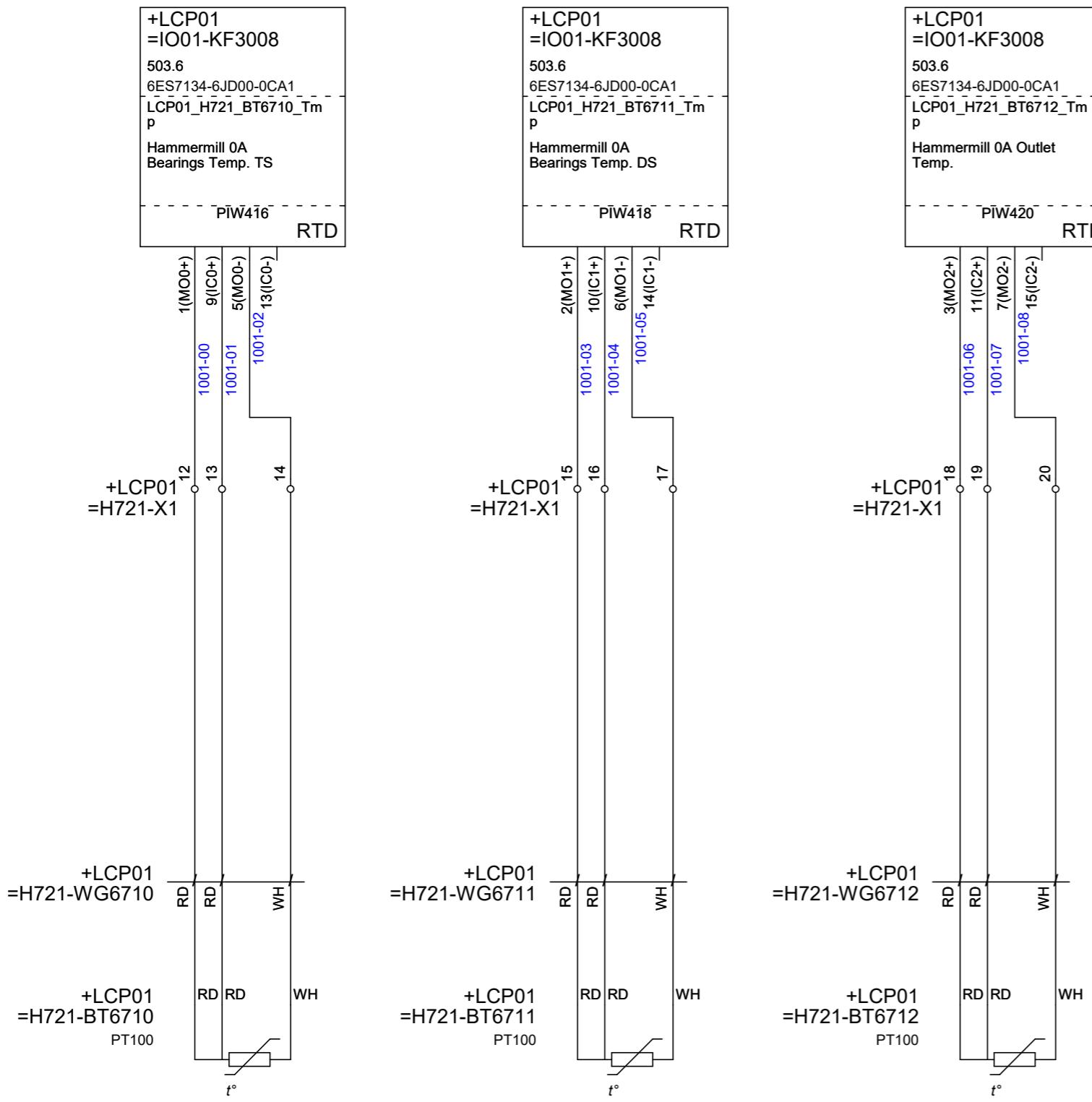
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 (+) Location aspect  
 +LCP01 Local Control Panel



**Hammermill OA**



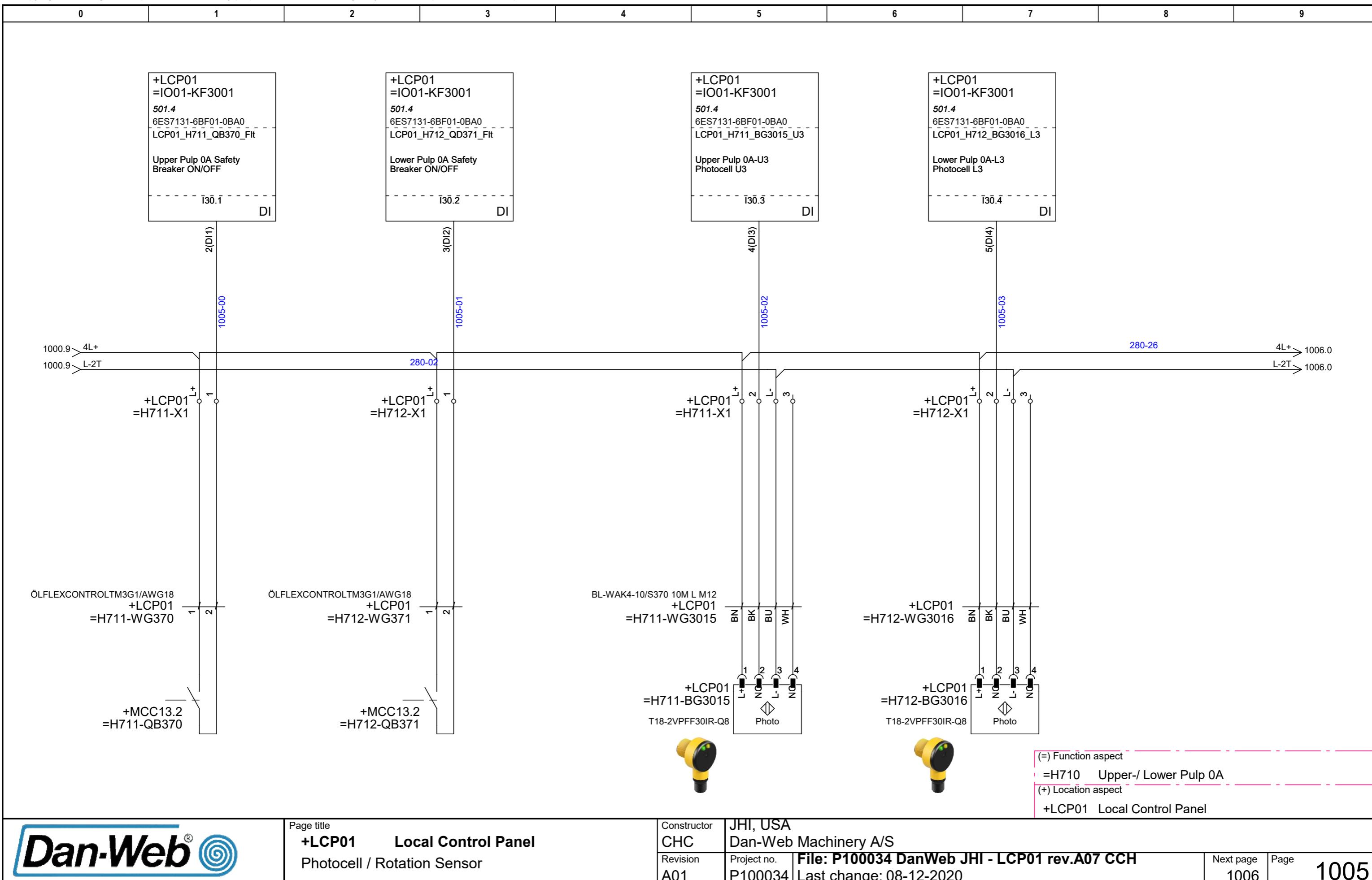
0 1 2 3 4 5 6 7 8 9

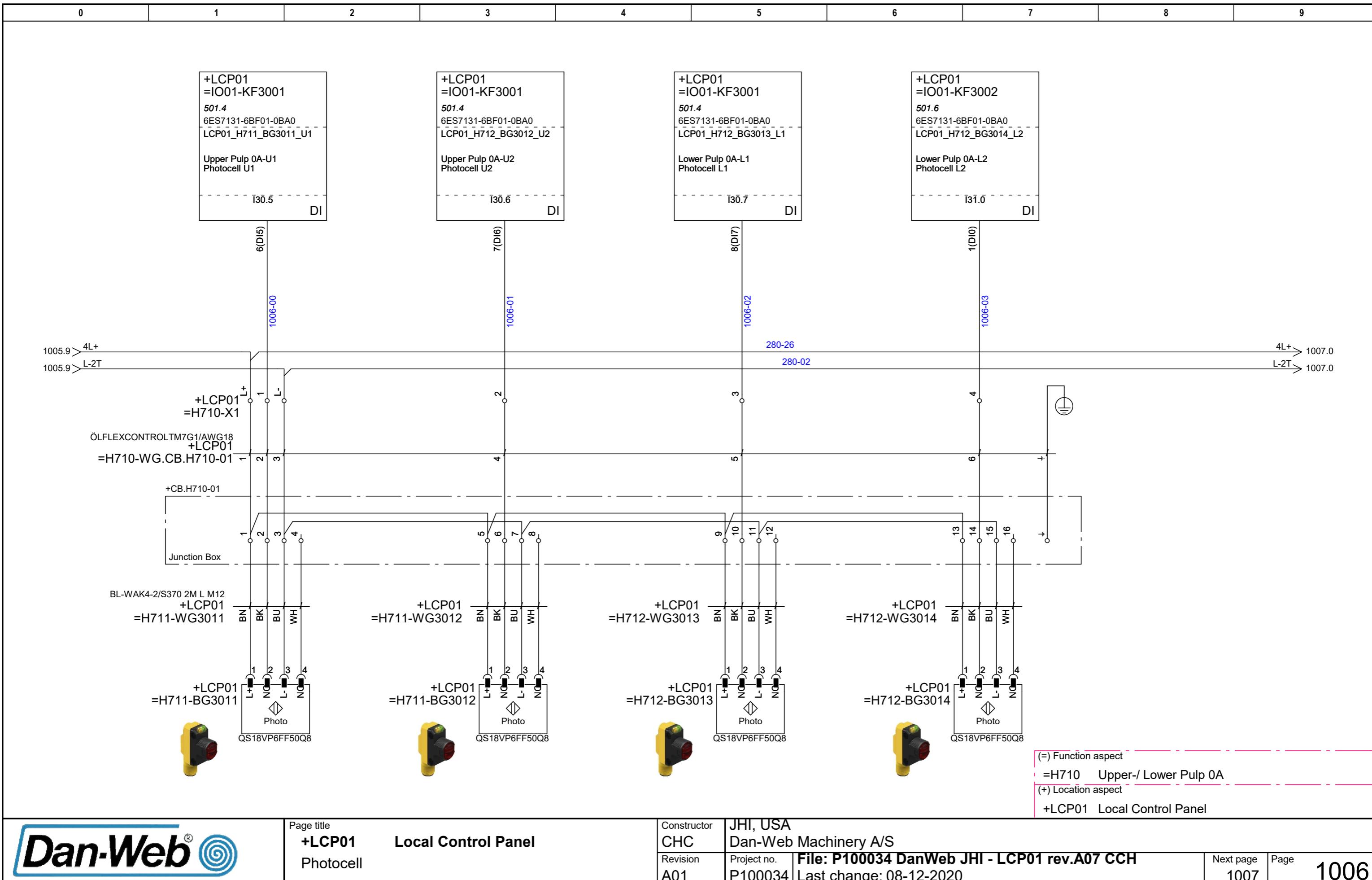


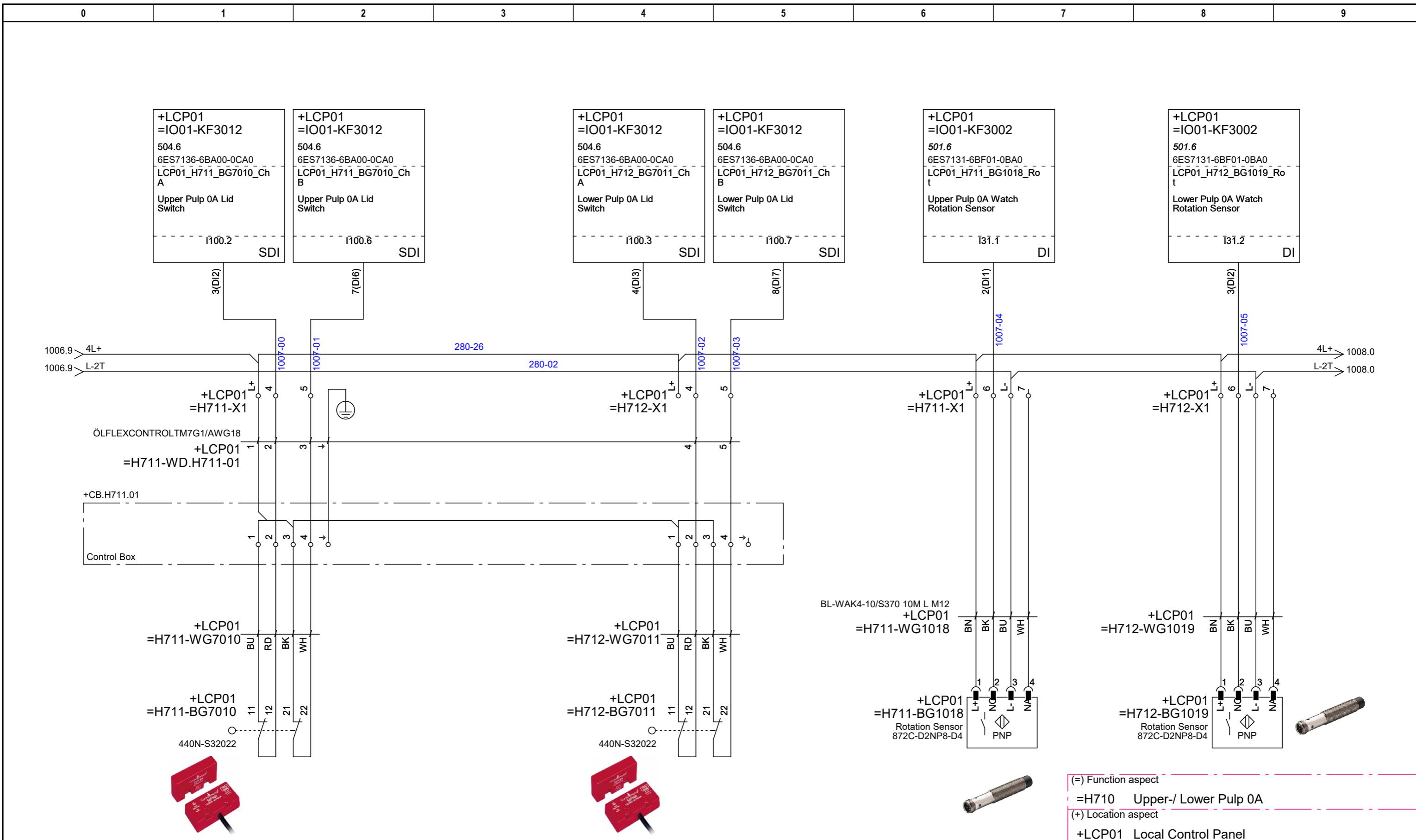
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 =H721 Hammermill 0A  
 (+) Location aspect  
 +LCP01 Local Control Panel

**Upper- / Lower Pulp OA**



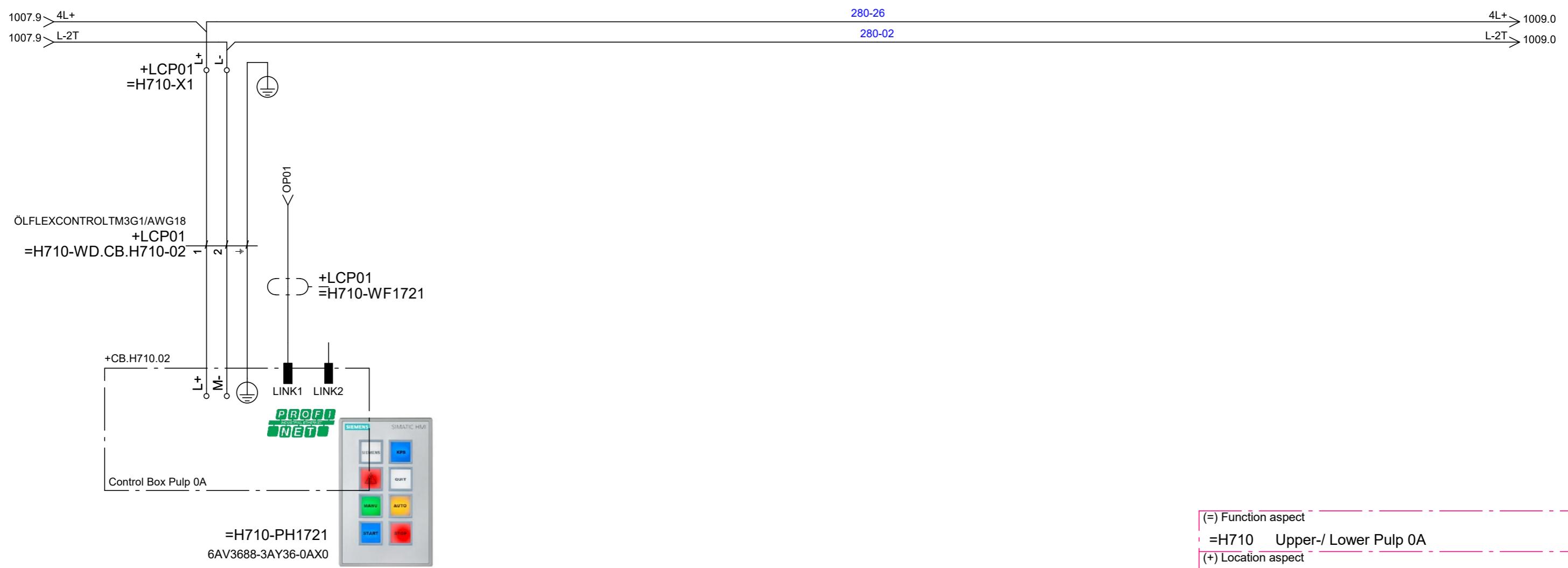




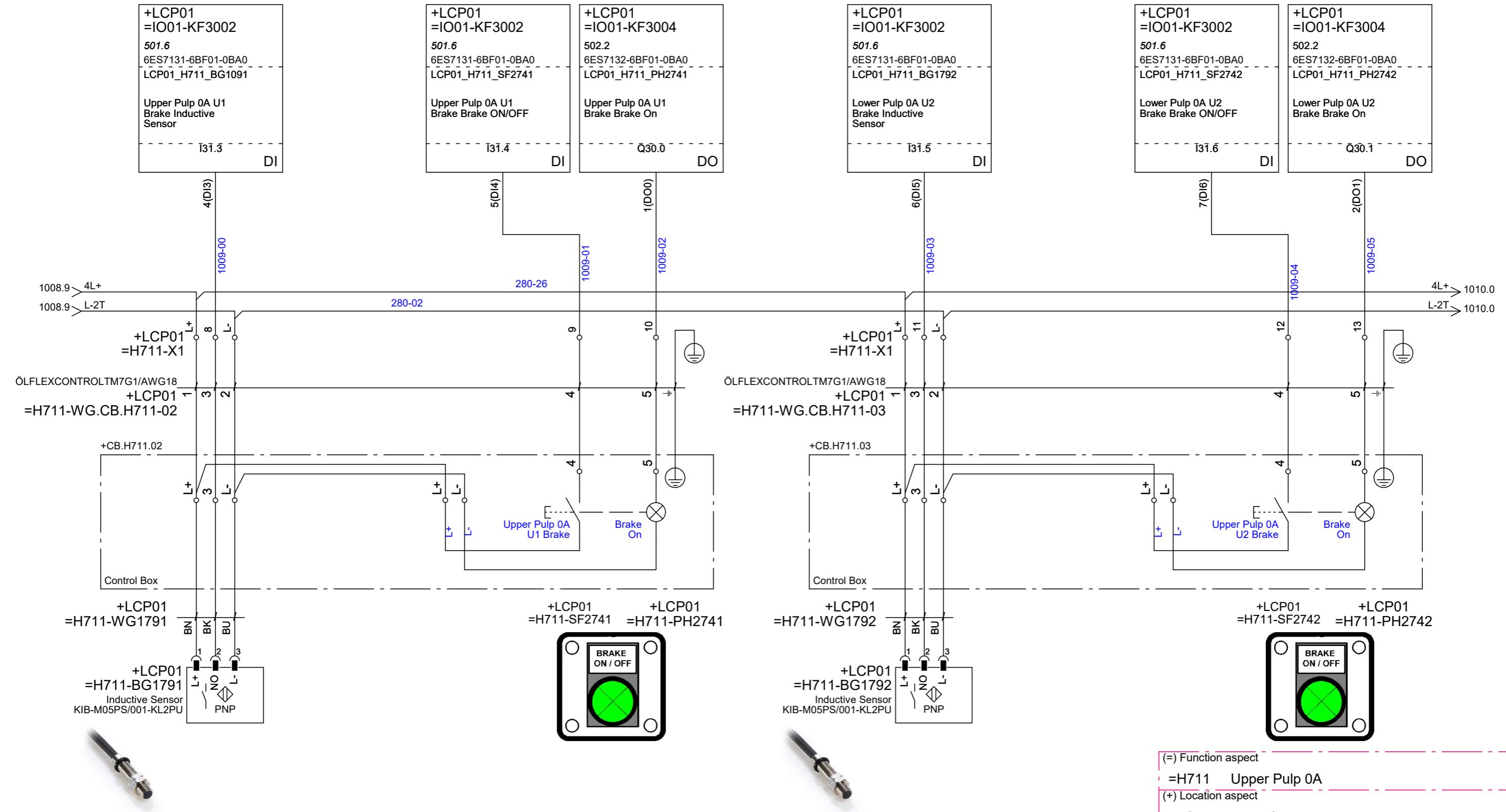


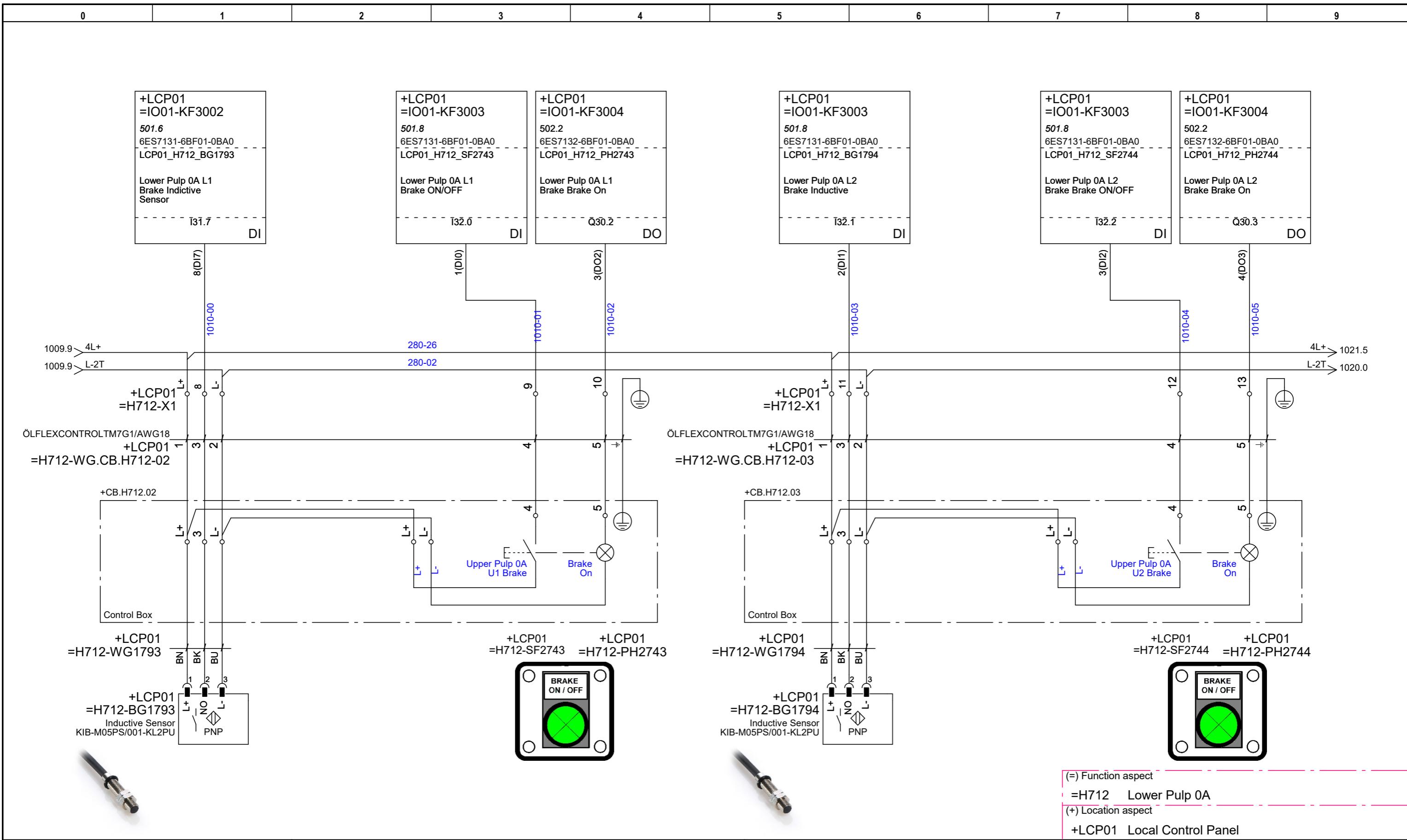
(=) Function aspect  
 =H710 Upper-/ Lower Pulp 0A  
 (+) Location aspect  
 +LCP01 Local Control Panel

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
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|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|







**Fibertransport 0A**

|   |   |   |   |   |   |   |   |   |   |
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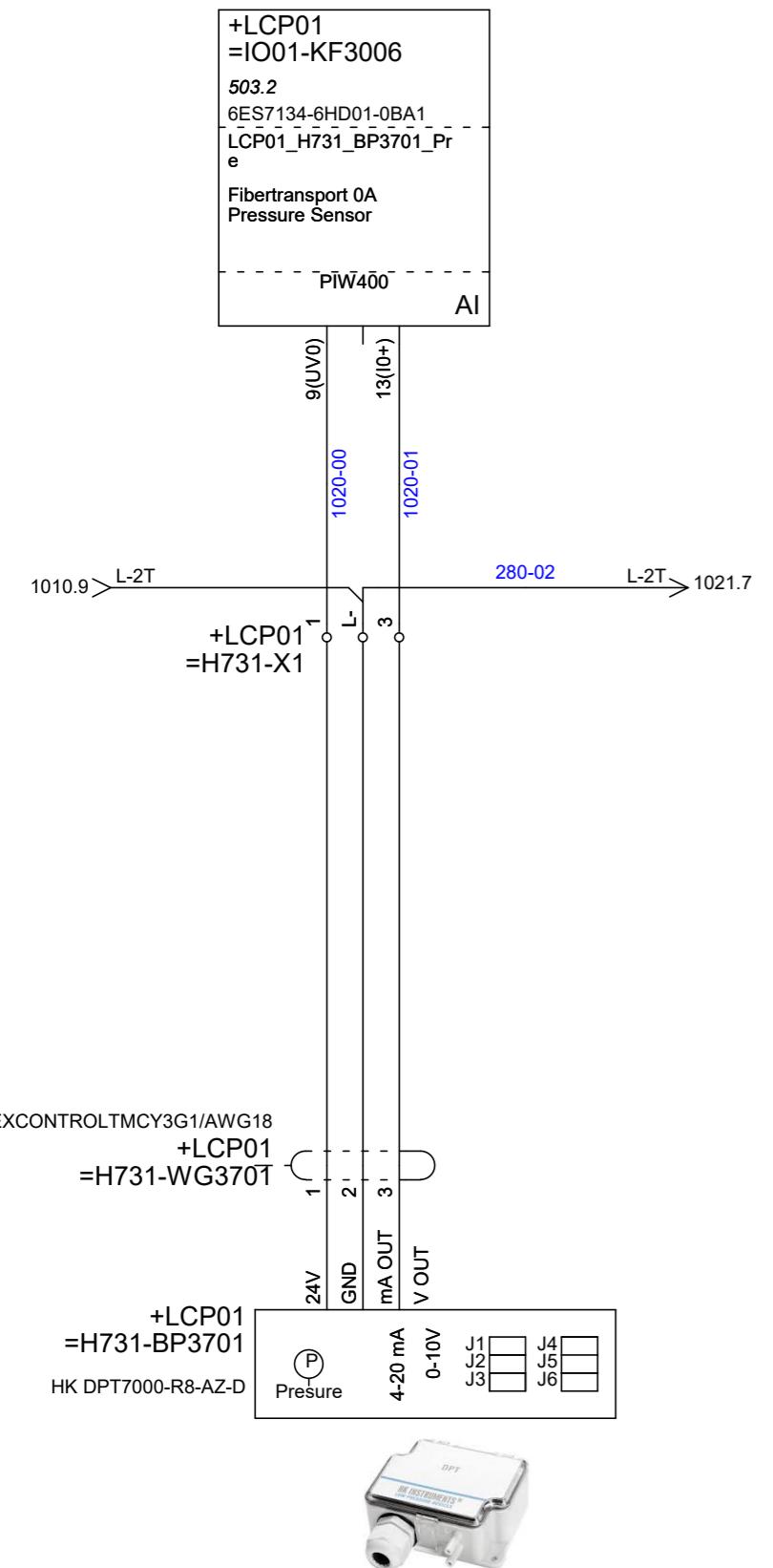


Table 3-1 Terminal assignment

| Terminal assignment for AI 4xU/I 2-wire ST (6ES7134-6HD00-0BA1)                  |                 |          |                 |  |                       |   |  |  |
|--|-----------------|----------|-----------------|--|-----------------------|---|--|--|
| Terminal   | Assignment      | Terminal | Assignment      | Explanation  | BaseUnit <sup>1</sup> | Color identification label (terminals 1 to 16)                                      |  |  |
| 1  | U <sub>0+</sub> | 2        | U <sub>1+</sub> | Voltage input (terminals 1 to 8)<br><ul style="list-style-type: none"> <li>• U<sub>n+</sub>: Input signal "+", channel n</li> <li>• U<sub>n-</sub>: Input signal "-", channel n</li> </ul> | A0<br>A1              |  |  |  |
| 3  | U <sub>2+</sub> | 4        | U <sub>3+</sub> |  |                       |   |  |  |
| 5  | U <sub>0-</sub> | 6        | U <sub>1-</sub> |  |                       |   |  |  |
| 7  | U <sub>2-</sub> | 8        | U <sub>3-</sub> |  |                       |   |  |  |
| 9  | U <sub>V0</sub> | 10       | U <sub>V1</sub> | Current input (terminals 9 to 16)<br><ul style="list-style-type: none"> <li>• U<sub>Vn</sub>: Supply voltage channel n</li> <li>• I<sub>n+</sub>: Current input "+", channel n</li> </ul>  |                       |   |  |  |
| 11   | U <sub>V2</sub> | 12       | U <sub>V3</sub> |  |                       |   |  |  |
| 13   | I <sub>0+</sub> | 14       | I <sub>1+</sub> |  |                       |   |  |  |
| 15   | I <sub>2+</sub> | 16       | I <sub>3+</sub> |  |                       |   |  |  |
| L+   | 24 VDC          | M        | M               |  |                       | CC03<br>6ES7193-6CP03-2MA0  |  |  |
| Voltage input  |                 |          |                 | Current input  |                       |   |  |  |
| $\begin{array}{c} U \\ \text{---} \\ U_{n+} \\ \text{---} \\ U_{n-} \end{array}$ |                 |          |                 | $\begin{array}{c} I \\ \text{---} \\ U_{Vn} \\ \text{---} \\ I_{n+} \end{array}$   |                       |   |  |  |

<sup>1</sup> Usable BaseUnit types, can be identified by the last two digits of the article number.

#### Note

The first BaseUnit of a station must be a light-colored BaseUnit. Also keep this in mind during the configuration.

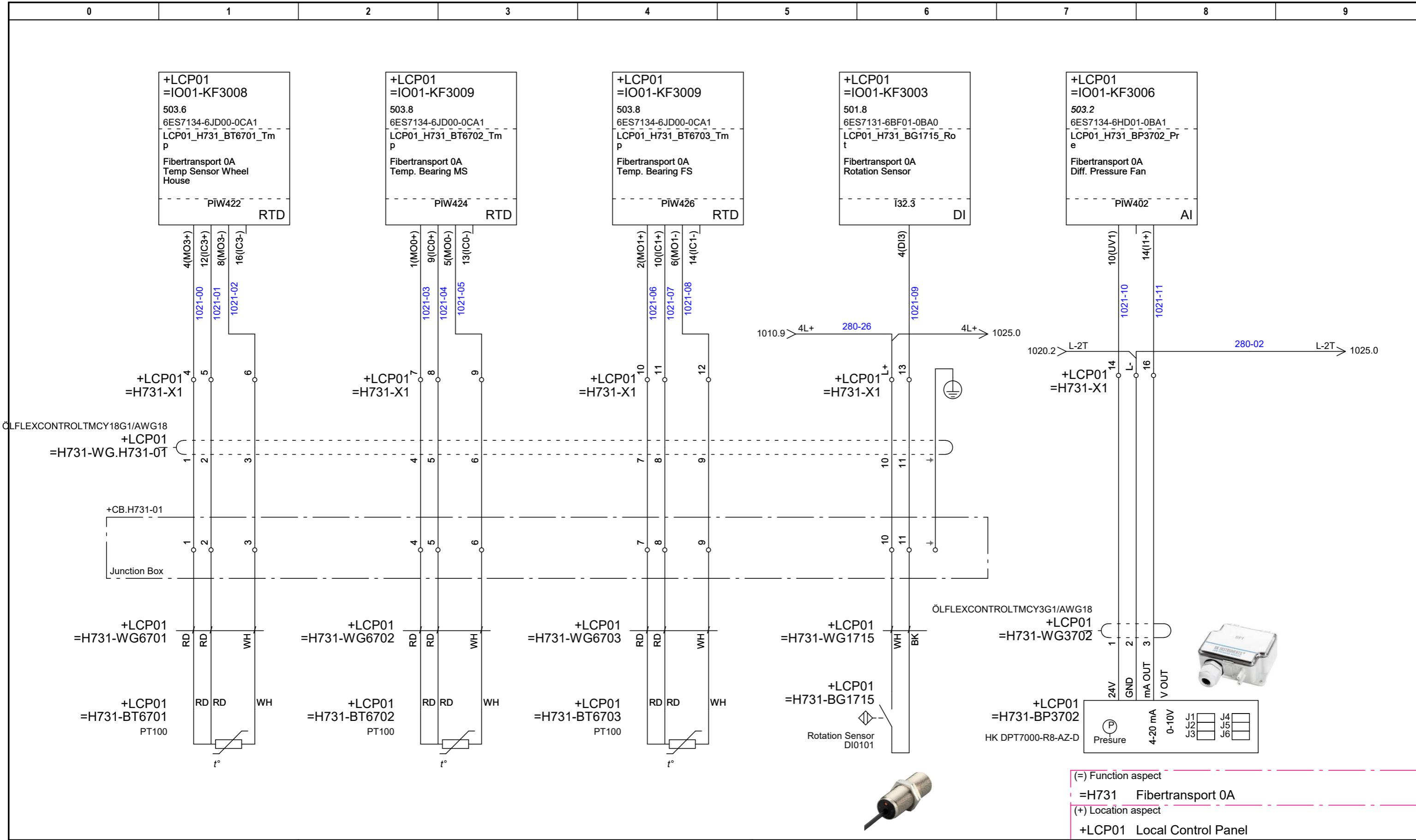
#### See also

You will find additional information on the BaseUnit types in the ET 200SP distributed I/O system (<http://support.automation.siemens.com/WW/view/en/58649293>) system manual.

Analog Input Module AI 4xU/I 2-wire ST (6ES7134-6HD00-0BA1)

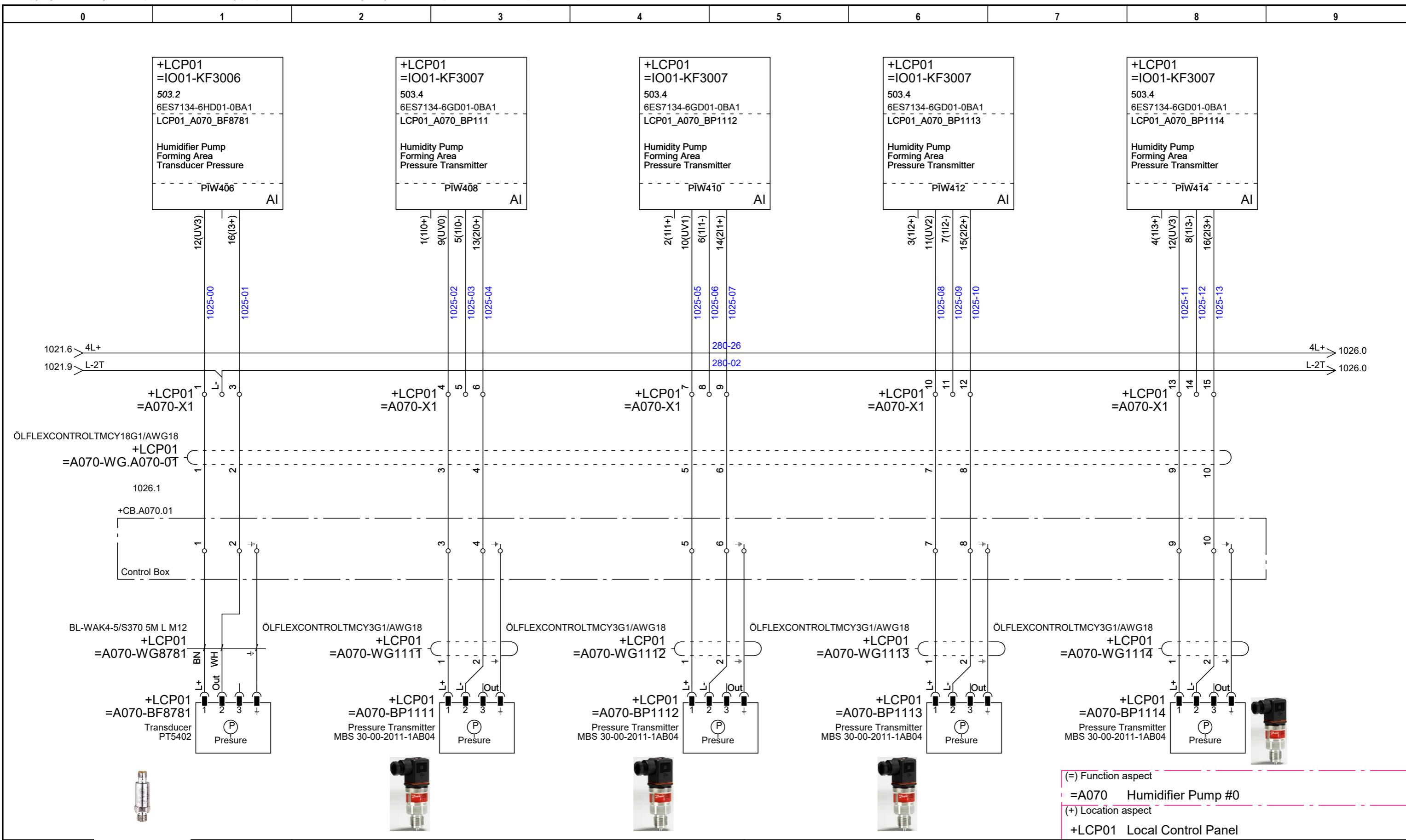


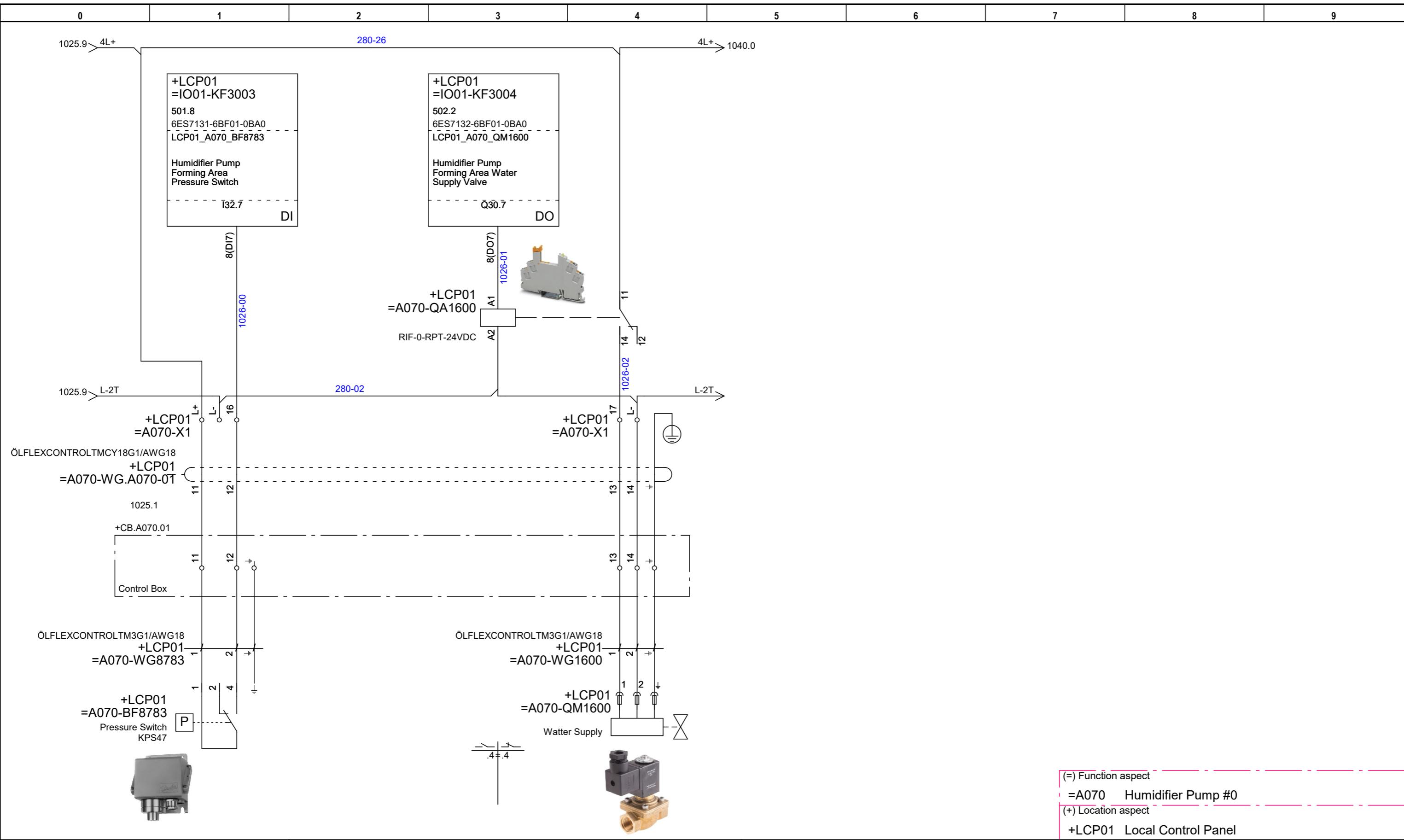
- (=) Function aspect
- =H731 Fibertransport 0A
- (+) Location aspect
- +LCP01 Local Control Panel



# Humidifier Pump Forming Area

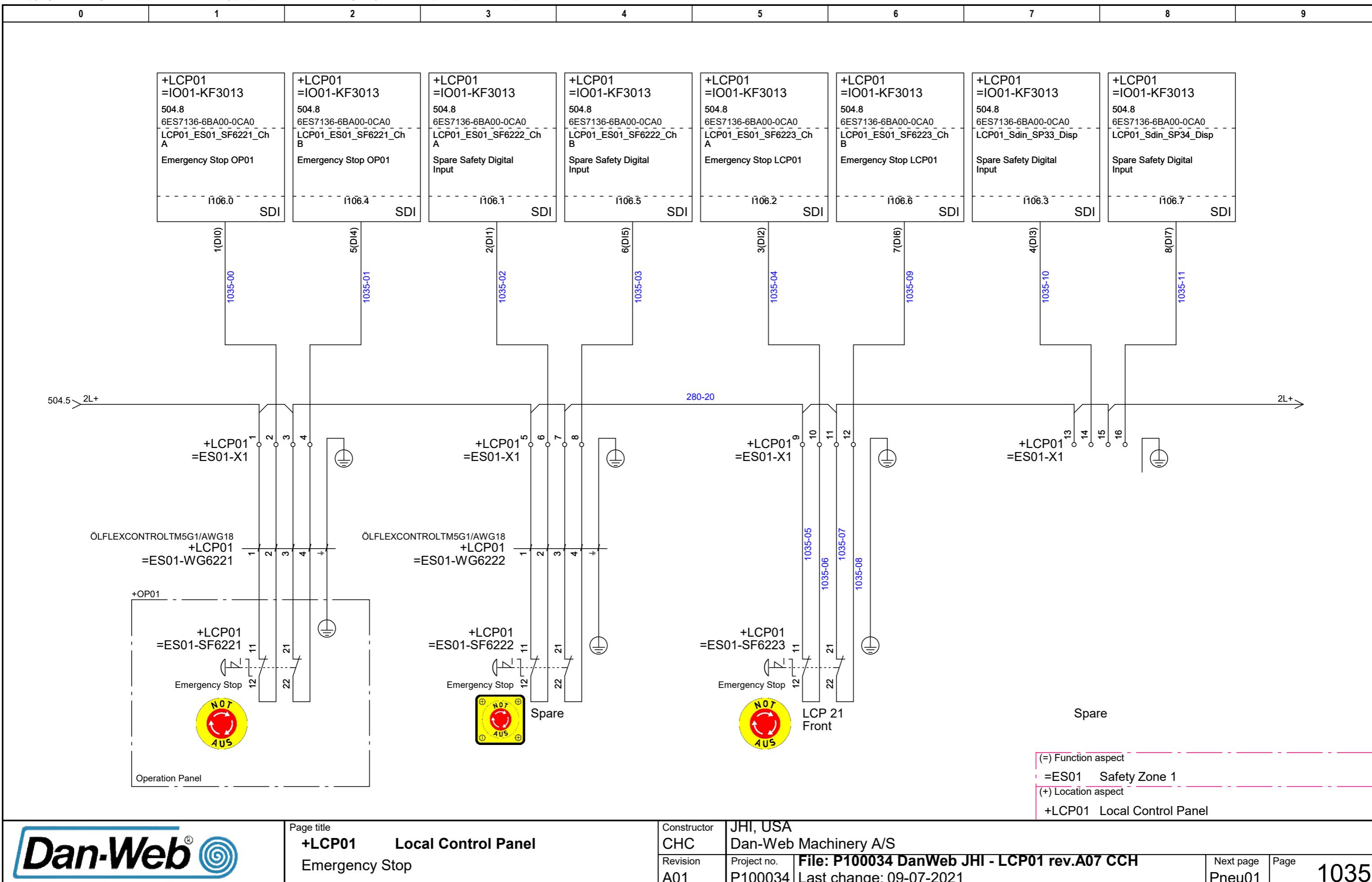






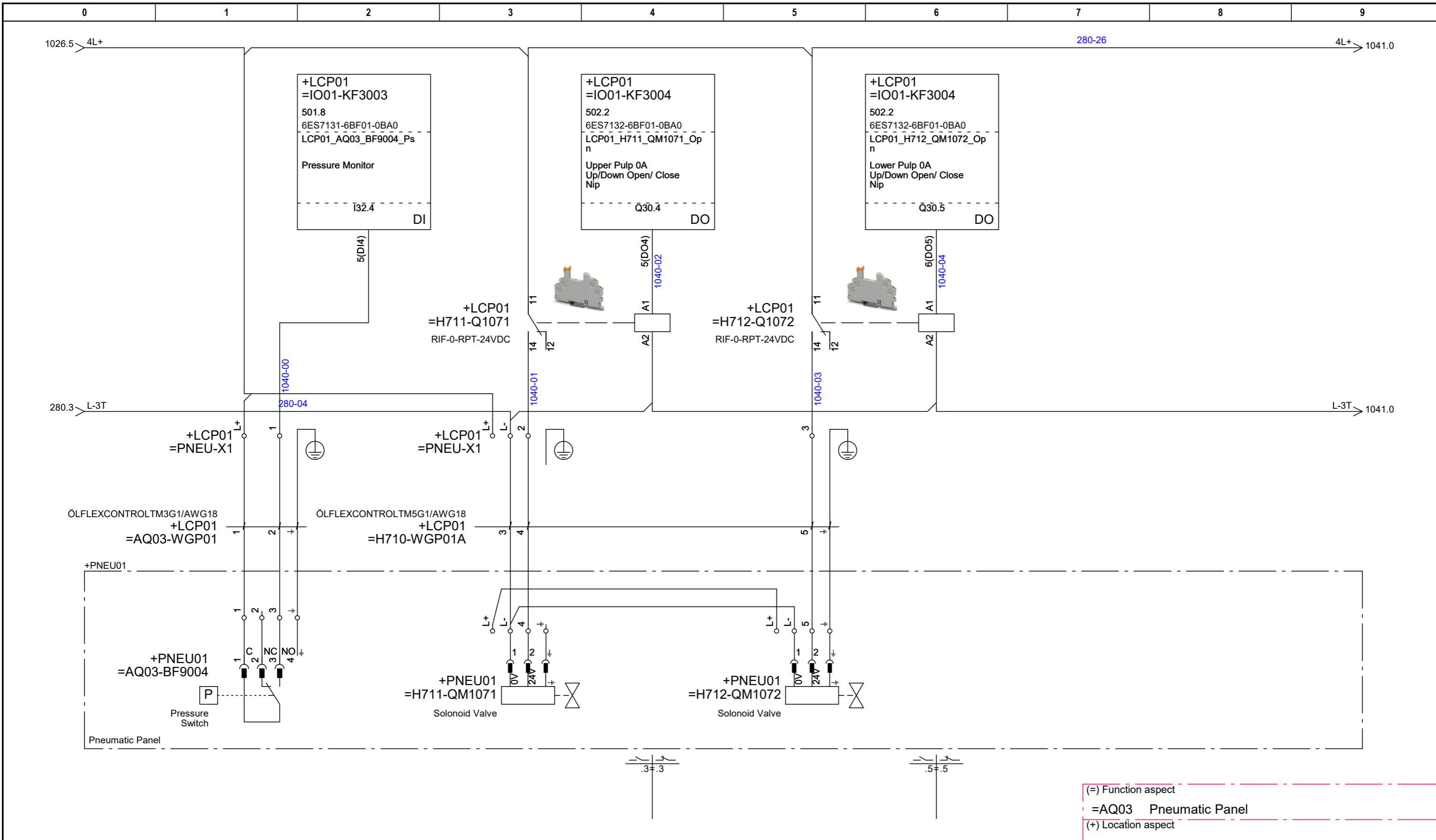


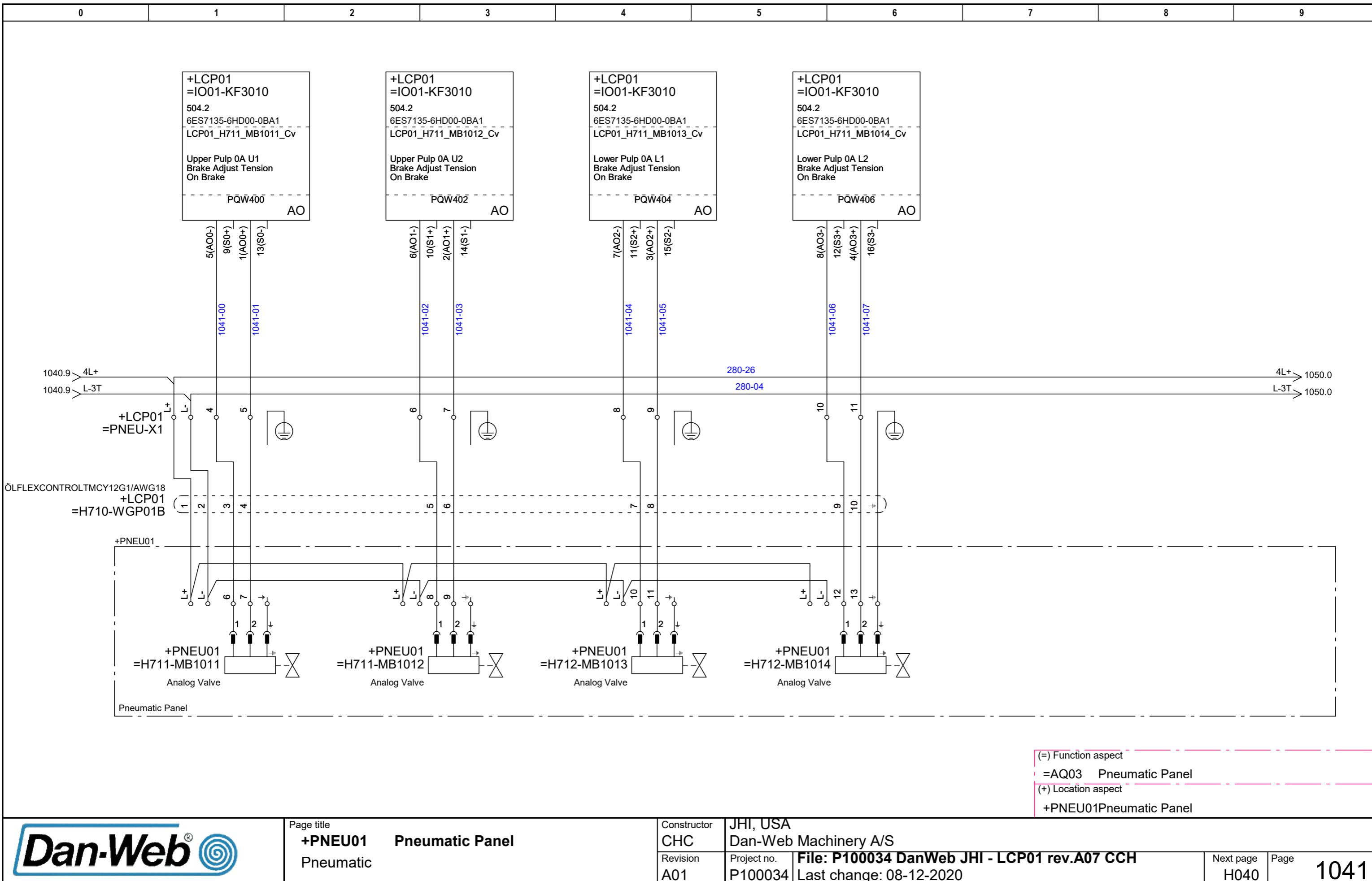
**Emergency Stop**





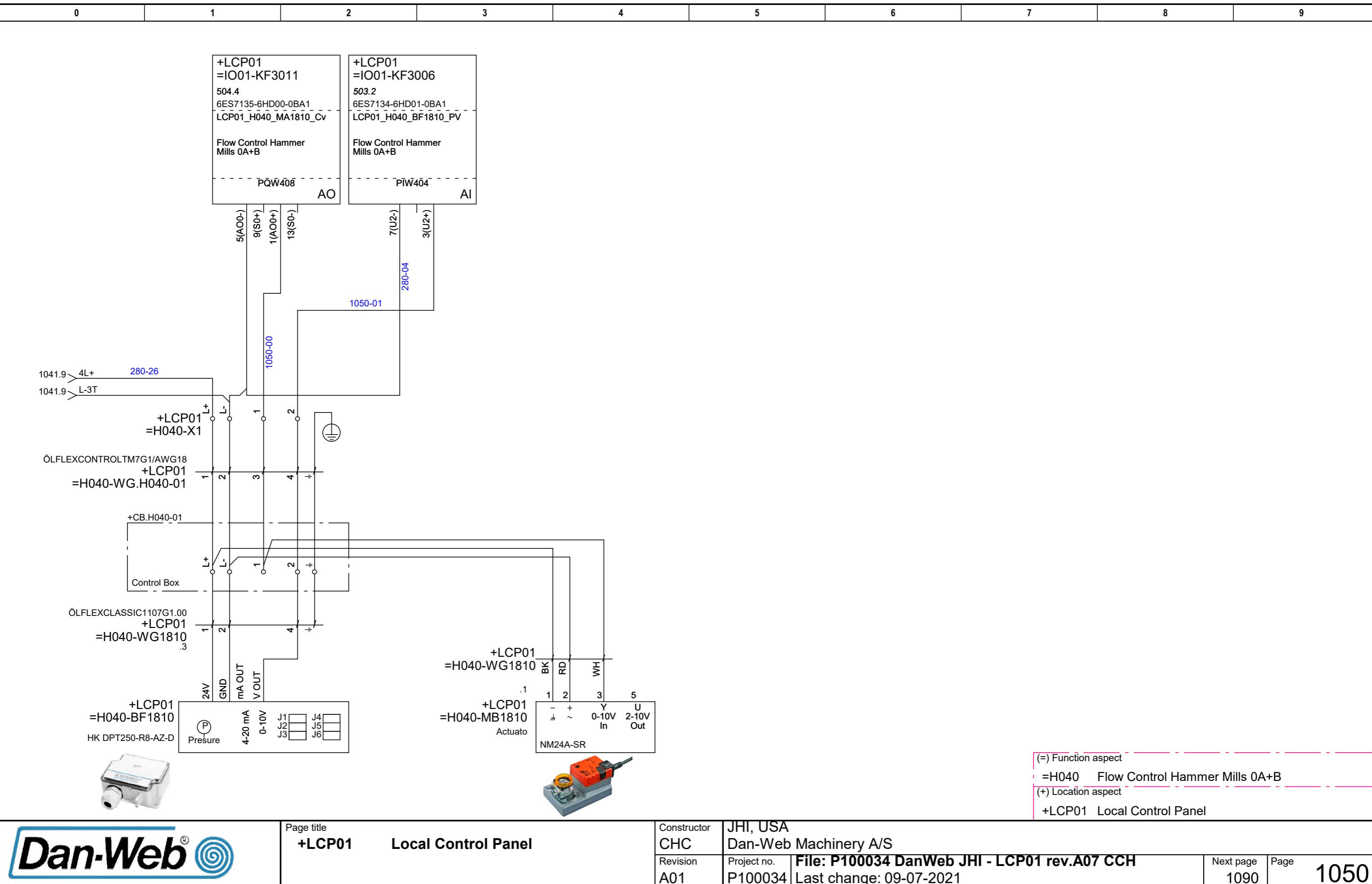
**Pneumatic**







**Flow Control Hammer Mills 0A+B**



# Guard-Locking Proximity Inputs Safety Relay



Catalog Number 440R-GL2S2P

Configuration Chapter 4

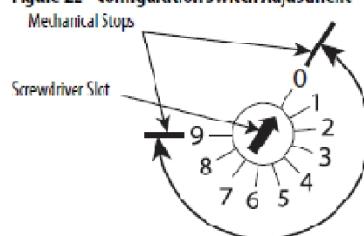
Table 4 - SLS2/Times Settings

| SLS2/Time Switch Setting | Safe Maximum Speed Configuration 1...4 and 8 (Configured from 9) | Time Configuration 5...8 (Configured from 0) |
|--------------------------|--|--|
| 0                        | No limit   | 10%  |
| 1                        | 10 Hz  | 20%  |
| 2                        | 20 Hz  | 30%  |
| 3                        | 50 Hz  | 40%  |
| 4                        | 100 Hz   | 50%  |
| 5                        | 200 Hz   | 60%  |
| 6                        | 500 Hz   | 70%  |
| 7                        | 1000 Hz  | 80%  |
| 8                        | 2000 Hz  | 90%  |
| 9                        | 3000 Hz  | 100%   |



Use a small slotted screwdriver to set the switches to the desired setting. The configuration switches are multi-position switches with a limited rotation.

Figure 22 - Configuration Switch Adjustment



**IMPORTANT** Adjust the switches gently and do not turn past the mechanical stops.

## Configuration Process

Configuration is a five-step process. The process requires the wiring to the GLP safety relay to be completed. During the configuration process, GLP safety relay sends out test pulses to determine how it is wired and then configures the internal parameters to match the application.

The GLP safety relay is configured in five steps:

- With the power OFF, set the switches for configuration.

Set the Logic switch to:

- 0 if you want X14 and X24 configured as OSSD safety outputs. They turn ON simultaneously as the L11 SWS output.
- 9 if you want to use X14 and X14 as test pulse outputs that the GLP safety relay expects to receive at S12 and S22 inputs.
- You must always set the Logic Switch to 0 or 9 during configuration, even if you only want to change SLS1 or SLS2/Time.

Set SLS1 to 0.

Set SLS2/TIME to 0.

# Guard-Locking Proximity Inputs Safety Relay



Catalog Number 440R-GL2S2P

Configuration Chapter 4

2. Apply power.

The PWR/Fault status indicator flashes red continuously. The prior configuration in the EEPROM is erased and the device now prepared for a new configuration.

3. Adjust the Logic, SLS1, and SLS2/Time switches.

After 500 ms, the new configuration parameters are acknowledged. Then, after 300 ms, the new parameter is stored in the EEPROM, the power status indicator is solid green.

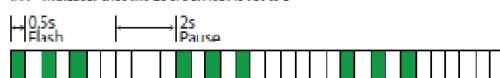
**TIP** You can change (or readjust) the switch settings during Step 3 and 4. The power status indicator momentarily flashes red again.

4. Verify the settings by counting the blink rates of the status indicators.

The status indicators flash for 0.5 seconds to indicate the switch setting. The number of flashes is equal to the switch setting. The blinking repeats after a two-second pause.

**Figure 23 - Example of the Status Indicators Flashing during Configuration Mode**

IN1 - Indicates that the LOGIC switch is set to 3



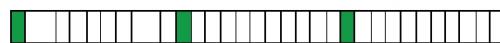
S1/L61 - Indicates that the SLS1 switch is set to 4



Logic IN - Indicates that the SLS2/time switch is set to 1



X14/X24 L11 - Indicates the solenoid connection to guard locking switch with OSSD outputs



5. Cycle the power to store the settings.

After power-up, the current switch settings are compared to the values in the EEPROM, and the input and output circuits are checked. Upon successful completion of the internal checks, the GLP safety relay is ready for operation.

The X14/X24 L11 status indicator indicates the type of connection that is made to terminals 51 and L61. [Table 5](#) shows the conditions for the X14/X24 L11 status indicator blink rates.

**Table 5 - X14/X24/L11 Status Indicator**

| X14/X24/L11 Status Indicator Blanks | Guard Locking Switch  | 51        | L61       |
|-------------------------------------|---|-----------|-----------|
| One time                            | OSSD Guard Locking Switch<br>(for example, TLS-ZR or 440G-LZ) | High side | High side |
| Two times                           | Standard Guard Locking Switch<br>(for example, TLS-GD2)       | High side | Low side  |



**Componentlist**

# Componentlist

| Pos. | Component<br>Page/path                 | Type<br>Description   | Make            |
|------|--|---|-----------------|
| 1    | +LCP01-LCP01<br>=DC01/280.0            | 1077500<br>Rittal enclosure AE 1077 760x760x210 mm                                      | Rittal          |
| 2    | -CB-F261 (4)<br>=H710/1007.4           | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 3    | +LCP01=A070-QA1600<br>=A070/1026.3     | RIF-0-RPT-24VDC<br>Relæ RIF-0..., mini-effektrelnæ med 1 sluttekontakt                  | Phoenix Contact |
| 4    | +LCP01=A070-QA1600<br>=A070/1026.4     | RIF-1-RPT-LDP-24DC/2X21<br>Relay RIF-1..., mini-coupling relay w. 2 changeover contacts | Phoenix Contact |
| 5    | +LCP01=A070-X1 (9)<br>=A070/1026.1     | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 6    | +LCP01=DC01-FC1001<br>=DC01/280.5      | 6EP1961-2BA41<br>SITOP PSE200U 10A SELECTIVITY MODULE 4CH. 24VDC ADJ.3-10A              | Siemens         |
| 7    | +LCP01=DC01-SF1001 (2)<br>=DC01/280.5  | M22-K10<br>Contact element 1M, frontfixing  | Möeller         |
| 8    | +LCP01=DC01-SF1001<br>=DC01/280.5      | M22-IVS<br>Adapter for DIN rail   | Möeller         |
| 9    | +LCP01=DC01-SF1001<br>=DC01/280.5      | M22-WK<br>Changeover switch w.thumb-grib, momentary 2pos.                               | Möeller         |
| 10   | +LCP01=DC01-SF1001<br>=DC01/280.5      | M22-A<br>Fixing adapter 3 contacts  | Möeller         |
| 11   | +LCP01=DC01-SF1002<br>=DC01/280.7      | M22-WK<br>Changeover switch w.thumb-grib, momentary 2pos.                               | Möeller         |
| 12   | +LCP01=DC01-SF1002<br>=DC01/280.7      | M22-IVS<br>Adapter for DIN rail   | Möeller         |
| 13   | +LCP01=DC01-SF1002 (2)<br>=DC01/280.7  | M22-K10<br>Contact element 1M, frontfixing  | Möeller         |
| 14   | +LCP01=DC01-SF1002<br>=DC01/280.7      | M22-A<br>Fixing adapter 3 contacts  | Möeller         |
| 15   | +LCP01=DC01-X1 (2)<br>=DC01/280.1      | PT4<br>Terminal spring  | Phoenix Contact |
| 16   | +LCP01=DC01-X100 (8)<br>=DC01/280.4    | PT2,5<br>Terminal spring  | Phoenix Contact |
| 17   | +LCP01=DC01-X101 (5)<br>=DC01/280.8    | PT2,5<br>Terminal spring  | Phoenix Contact |
| 18   | +LCP01=ES01-SF6223<br>=ES01/1035.5     | M22-PVT<br>Emergency stop actuator, turn to release                                     | Möeller         |
| 19   | +LCP01=ES01-SF6223 (2)<br>=ES01/1035.5 | M22-K01<br>Contact element 1B, frontfixing  | Möeller         |
| 20   | +LCP01=ES01-SF6223<br>=ES01/1035.5     | M22-A<br>Fixing adapter 3 contacts  | Möeller         |
| 21   | +LCP01=ES01-SF6223<br>=ES01/1035.5     | M22-XGPV<br>Emergency-Stop protective collar  | Möeller         |
| 22   | +LCP01=ES01-X1 (8)<br>=ES01/1035.2     | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 23   | +LCP01=H040-X1<br>=H040/1050.1         | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 24   | +LCP01=H710-X1 (5)<br>=H710/1006.2     | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 25   | +LCP01=H711-Q1071<br>=AQ03/1040.4      | RIF-0-RPT-24VDC<br>Relæ RIF-0..., mini-effektrelnæ med 1 sluttekontakt                  | Phoenix Contact |



# Componentlist

| Pos. | Component<br>Page/path              | Type<br>Description   | Make            |
|------|-------------------------------------|---|-----------------|
| 26   | +LCP01=H711-SF2741<br>=H711/1009.3  | M22-DL-G<br>Illuminated Pushbutton Actuator   | Möeller         |
| 27   | +LCP01=H711-SF2741<br>=H711/1009.3  | M22-LED-G<br>LED Element 18-30V AC/DC, Frontmount   | Möeller         |
| 28   | +LCP01=H711-SF2741<br>=H711/1009.3  | M22-K10<br>Contact element 1M, frontfixing  | Möeller         |
| 29   | +LCP01=H711-SF2742<br>=H711/1009.8  | M22-DL-G<br>Illuminated Pushbutton Actuator   | Möeller         |
| 30   | +LCP01=H711-X1 (12)<br>=H710/1007.7 | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 31   | +LCP01=H712-Q1072<br>=AQ03/1040.6   | RIF-0-RPT-24VDC<br>Relæ RIF-0..., mini-effektrelnæ med 1 sluttekontakt                                | Phoenix Contact |
| 32   | +LCP01=H712-X1 (12)<br>=H710/1007.9 | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 33   | +LCP01=H721-KF6712<br>=H721/1000.0  | 440R-GL2S2P<br>Guard-Locking Proximity Inputs Safety Relay  | Allen-Bradley   |
| 34   | +LCP01=H721-X1 (13)<br>=H721/1001.5 | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 35   | +LCP01=H731-X1 (9)<br>=H731/1021.8  | PTTB2,5<br>2 level terminal spring  | Phoenix Contact |
| 36   | +LCP01=IO01-KF1000<br>=IO01/501.1   | 6ES7155-6AA01-0BN0<br>SIMATIC ET 200SP, PROFINET INTERFACE MODULE IM155-6PN STANDARD                  | Siemens         |
| 37   | +LCP01=IO01-KF3001<br>=IO01/501.3   | 6ES7193-6BP00-0DA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2D, BU-TYPE A0, PUSH-IN TERM, NEW LOAD   | Siemens         |
| 38   | +LCP01=IO01-KF3001<br>=IO01/501.3   | 6ES7131-6BF01-0BA0<br>SIMATIC ET 200SP, INPUT DI 8X 24VDC STANDARD                                    | Siemens         |
| 39   | +LCP01=IO01-KF3002<br>=IO01/501.5   | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO | Siemens         |
| 40   | +LCP01=IO01-KF3002<br>=IO01/501.5   | 6ES7131-6BF01-0BA0<br>SIMATIC ET 200SP, INPUT DI 8X 24VDC STANDARD                                    | Siemens         |
| 41   | +LCP01=IO01-KF3003<br>=DC01/280.7   | 6ES7131-6BF01-0BA0<br>SIMATIC ET 200SP, INPUT DI 8X 24VDC STANDARD                                    | Siemens         |
| 42   | +LCP01=IO01-KF3003<br>=DC01/280.7   | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO | Siemens         |
| 43   | +LCP01=IO01-KF3004<br>=DC01/280.6   | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO | Siemens         |
| 44   | +LCP01=IO01-KF3004<br>=DC01/280.6   | 6ES7132-6BF01-0BA0<br>SIMATIC ET 200SP, OUTPUT DQ 8X24VDC/0,5A STANDARD                               | Siemens         |
| 45   | +LCP01=IO01-KF3005<br>=IO01/502.3   | 6ES7132-6BF01-0BA0<br>SIMATIC ET 200SP, OUTPUT DQ 8X24VDC/0,5A STANDARD                               | Siemens         |
| 46   | +LCP01=IO01-KF3005<br>=IO01/502.3   | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO | Siemens         |
| 47   | +LCP01=IO01-KF3006<br>=IO01/503.1   | 6ES7193-6BP20-0DA0<br>SIMATIC ET 200SP, FOR POWERSUPPLY WITH 10 AUX-TERMINALS                         | Siemens         |
| 48   | +LCP01=IO01-KF3006<br>=IO01/503.1   | 6ES7134-6HD01-0BA1<br>SIMATIC ET 200SP, AI 4XU/I 2-WIRE STANDARD                                      | Siemens         |
| 49   | +LCP01=IO01-KF3007<br>=IO01/503.3   | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO | Siemens         |
| 50   | +LCP01=IO01-KF3007<br>=IO01/503.3   | 6ES7134-6GD01-0BA1<br>SIMATIC ET 200SP, AI 4XI 2-/4-WIRE STANDARD                                     | Siemens         |



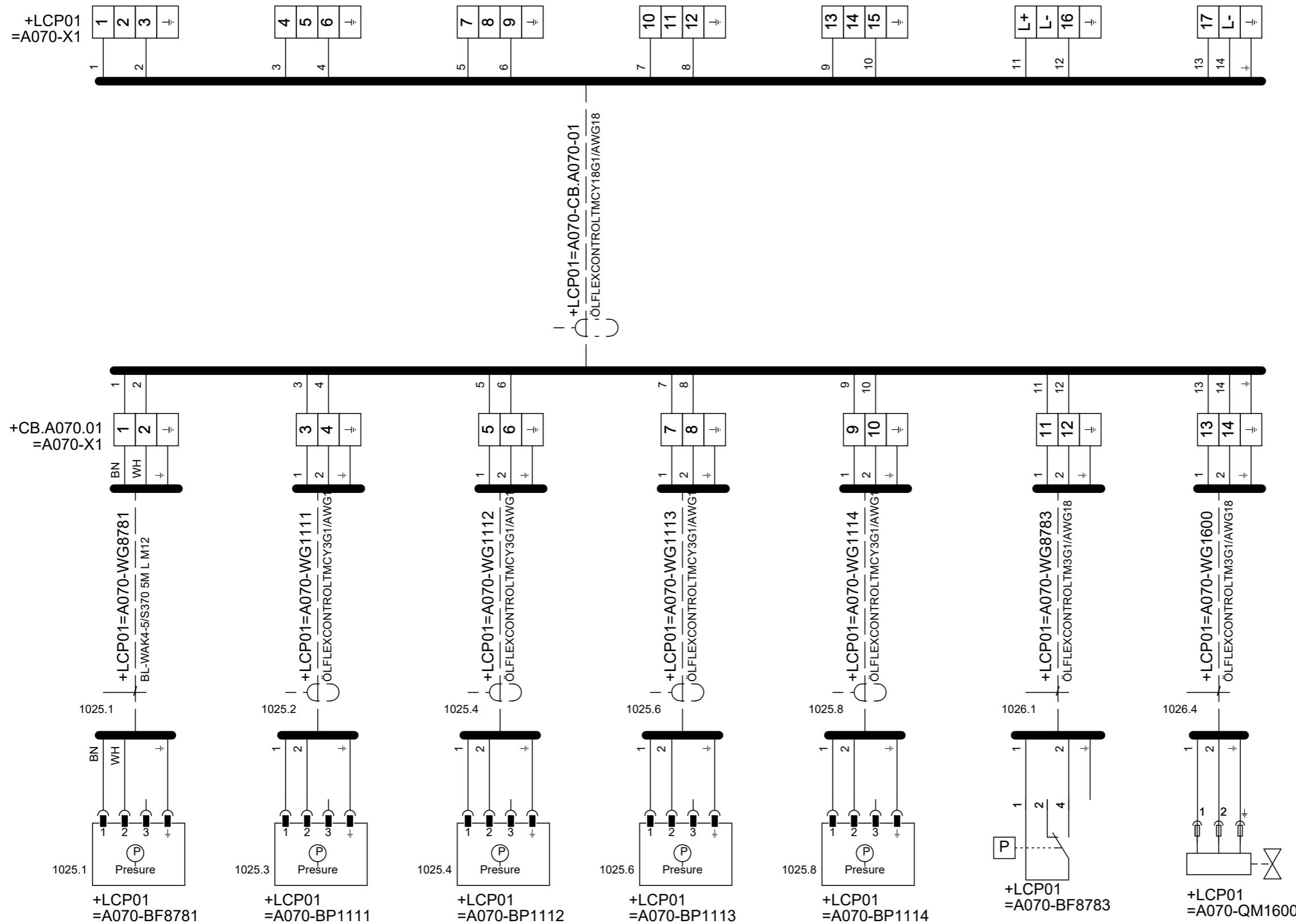
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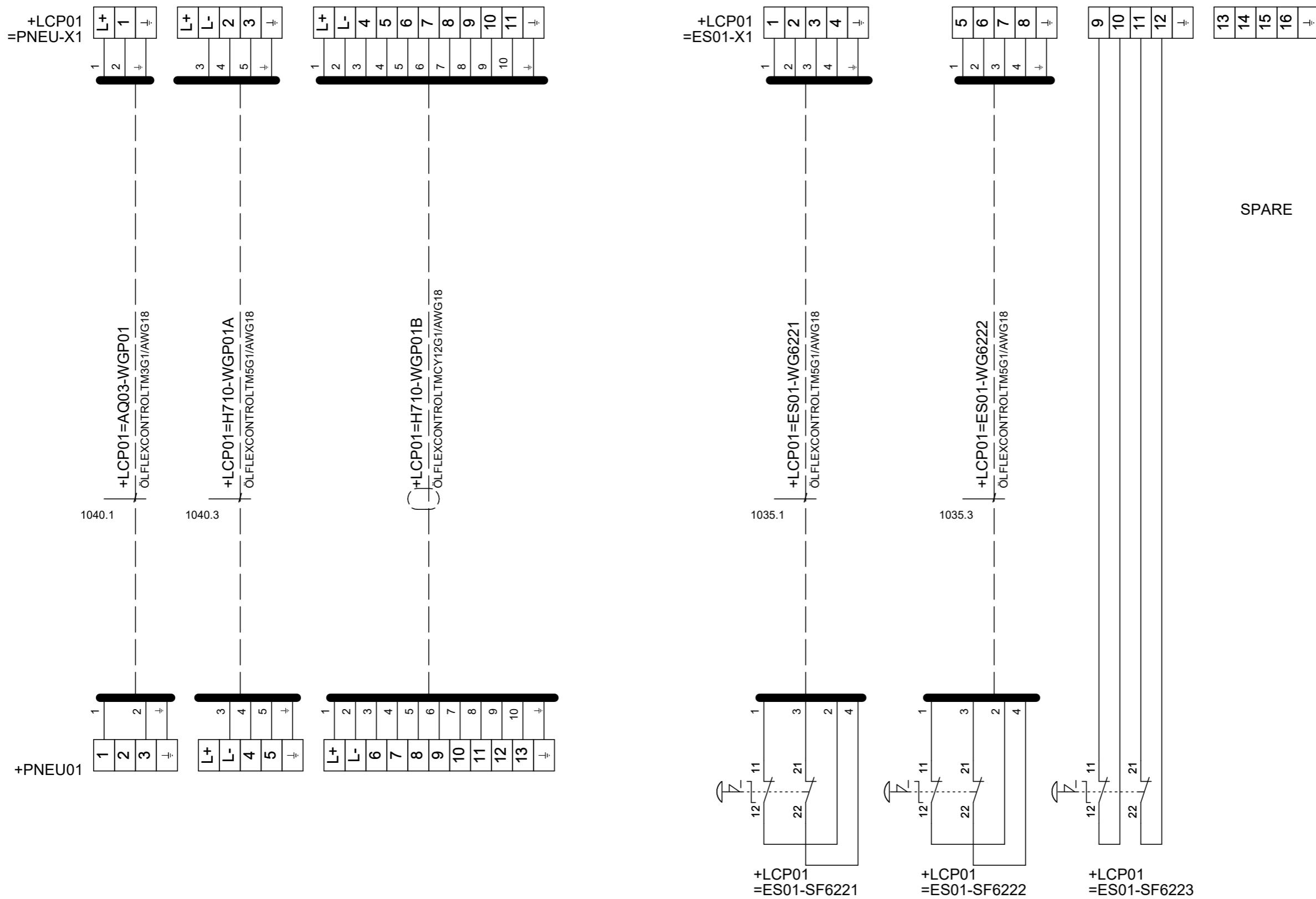
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|------|--|--|-----------------|
| 51   | +LCP01=IO01-KF3008<br>=IO01/503.5      | 6ES7193-6BP00-0DA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2D, BU-TYPE A0, PUSH-IN TERM, NEW LOAD    | Siemens         |
| 52   | +LCP01=IO01-KF3008<br>=IO01/503.5      | 6ES7134-6JD00-0CA1<br>SIMATIC ET 200SP, AI 4XRTD/TC HIGH FEATURE, FITS TO BU-TYPE A0, A1, COLOR CODE C | Siemens         |
| 53   | +LCP01=IO01-KF3009<br>=IO01/503.7      | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO  | Siemens         |
| 54   | +LCP01=IO01-KF3009<br>=IO01/503.7      | 6ES7134-6JD00-0CA1<br>SIMATIC ET 200SP, AI 4XRTD/TC HIGH FEATURE, FITS TO BU-TYPE A0, A1, COLOR CODE C | Siemens         |
| 55   | +LCP01=IO01-KF3010<br>=IO01/504.1      | 6ES7193-6BP00-0DA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2D, BU-TYPE A0, PUSH-IN TERM, NEW LOAD    | Siemens         |
| 56   | +LCP01=IO01-KF3010<br>=IO01/504.1      | 6ES7135-6HD00-0BA1<br>SIMATIC ET 200SP, ANALOG OUT AQ 4XU/I STANDARD                                   | Siemens         |
| 57   | +LCP01=IO01-KF3011<br>=IO01/504.3      | 6ES7135-6HD00-0BA1<br>SIMATIC ET 200SP, ANALOG OUT AQ 4XU/I STANDARD                                   | Siemens         |
| 58   | +LCP01=IO01-KF3011<br>=IO01/504.3      | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO  | Siemens         |
| 59   | +LCP01=IO01-KF3012<br>=IO01/504.5      | 6ES7136-6BA00-0CA0<br>SIMATIC ET 200SP, SAFETY F-DI 8X24VDC HF   | Siemens         |
| 60   | +LCP01=IO01-KF3012<br>=IO01/504.5      | 6ES7193-6BP00-0DA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2D, BU-TYPE A0, PUSH-IN TERM, NEW LOAD    | Siemens         |
| 61   | +LCP01=IO01-KF3013 (2)<br>=ES01/1035.1 | 6ES7136-6BA00-0CA0<br>SIMATIC ET 200SP, SAFETY F-DI 8X24VDC HF   | Siemens         |
| 62   | +LCP01=IO01-KF3013<br>=IO01/504.7      | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO  | Siemens         |
| 63   | +LCP01=IO01-KF3014<br>=IO01/505.1      | 6ES7136-6DB00-0CA0<br>SIMATIC ET 200SP, SAFETY F-DQ 4XDC 24V/2A  | Siemens         |
| 64   | +LCP01=IO01-KF3014<br>=IO01/505.1      | 6ES7193-6BP00-0BA0<br>SIMATIC ET 200SP, BASEUNIT BU15-P16+A0+2B, BU-TYPE A0, PUSH-IN TERM, BRIDGED TO  | Siemens         |
| 65   | +LCP01=PNEU-X1 (17)<br>=H040/1050.2    | PTTB2,5<br>2 level terminal spring   | Phoenix Contact |
| 66   |  |  |                 |
| 67   |  |  |                 |
| 68   |  |  |                 |
| 69   |  |  |                 |
| 70   |  |  |                 |
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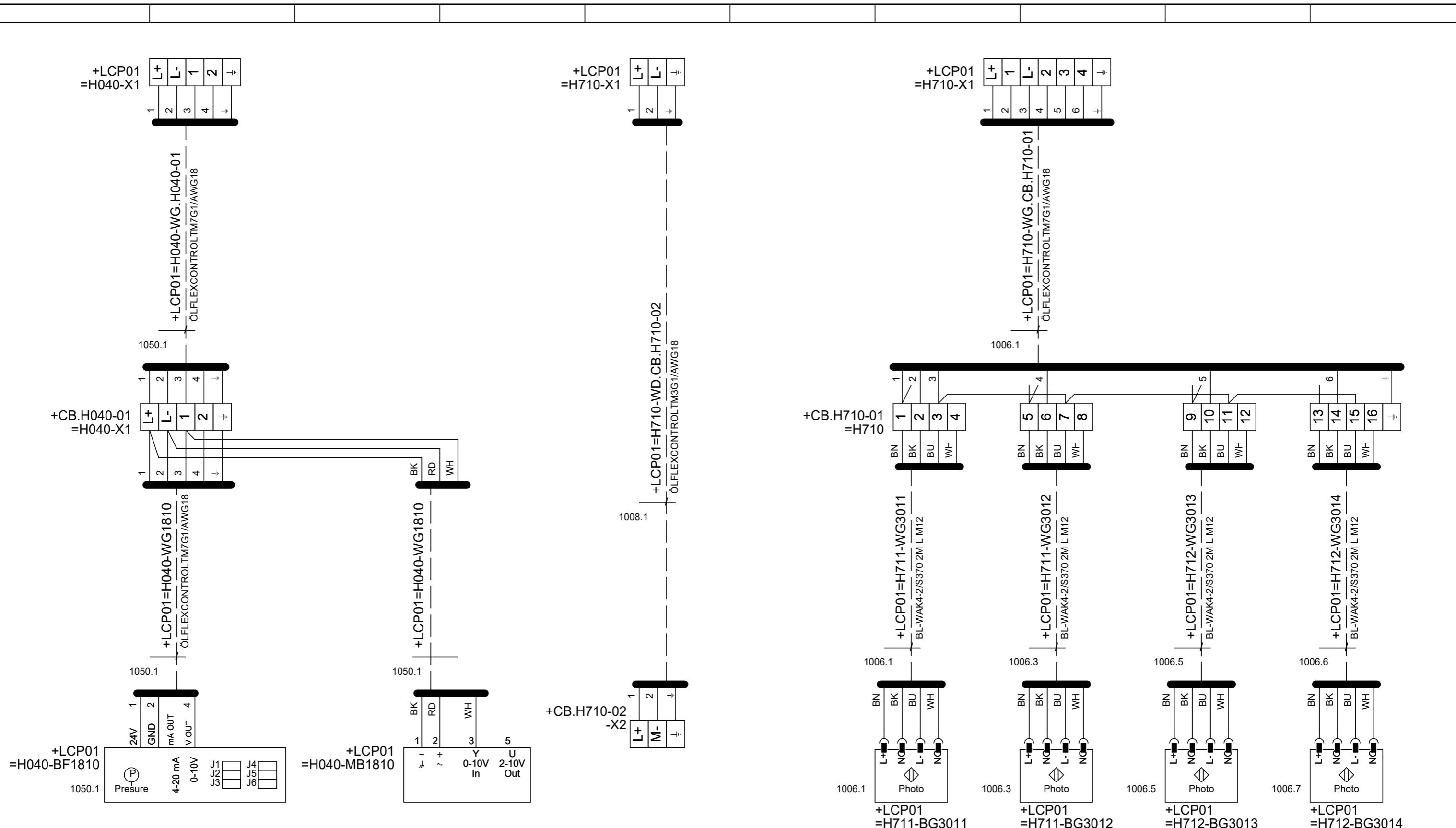


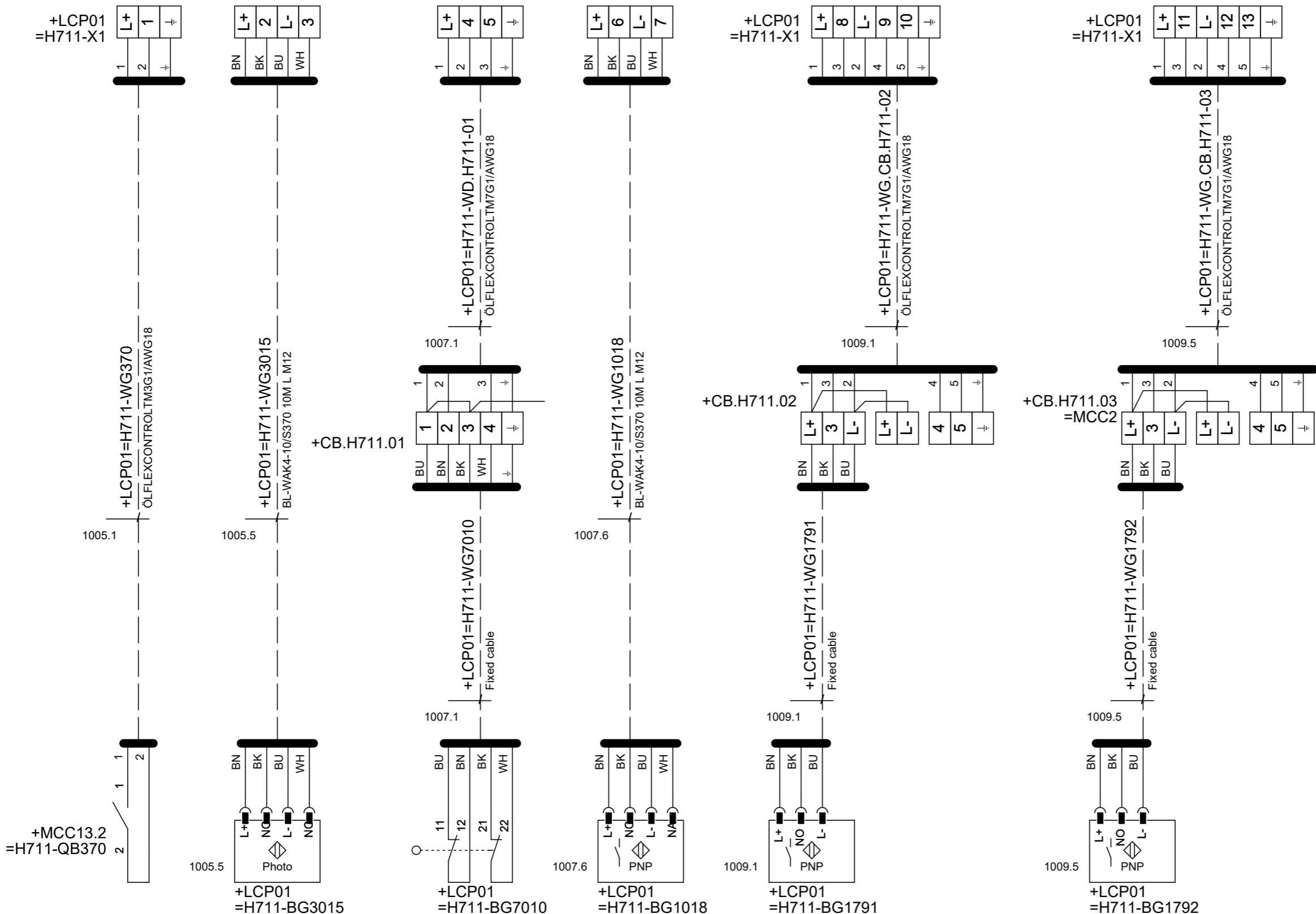
# Graphic Cable Plan

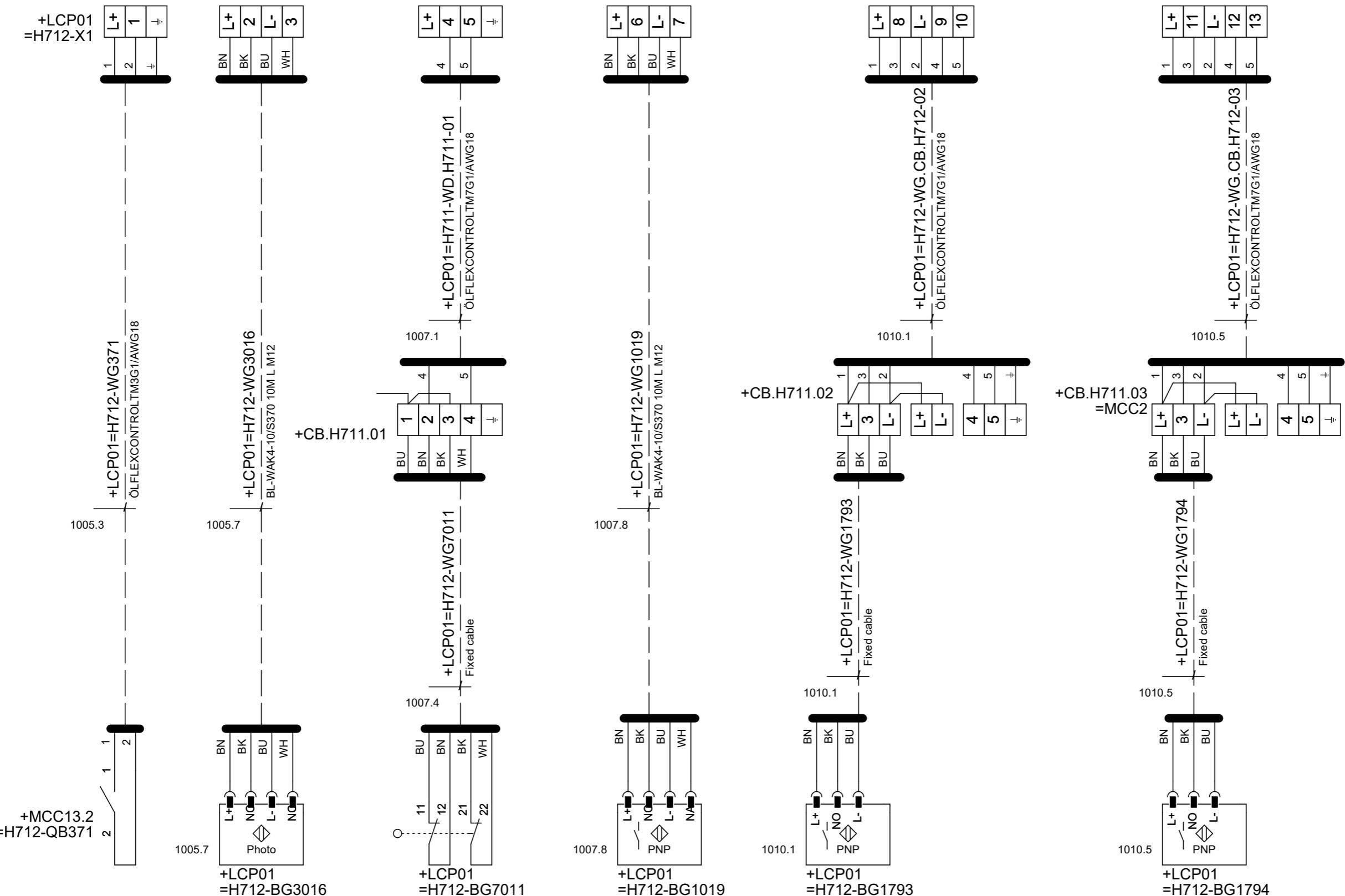


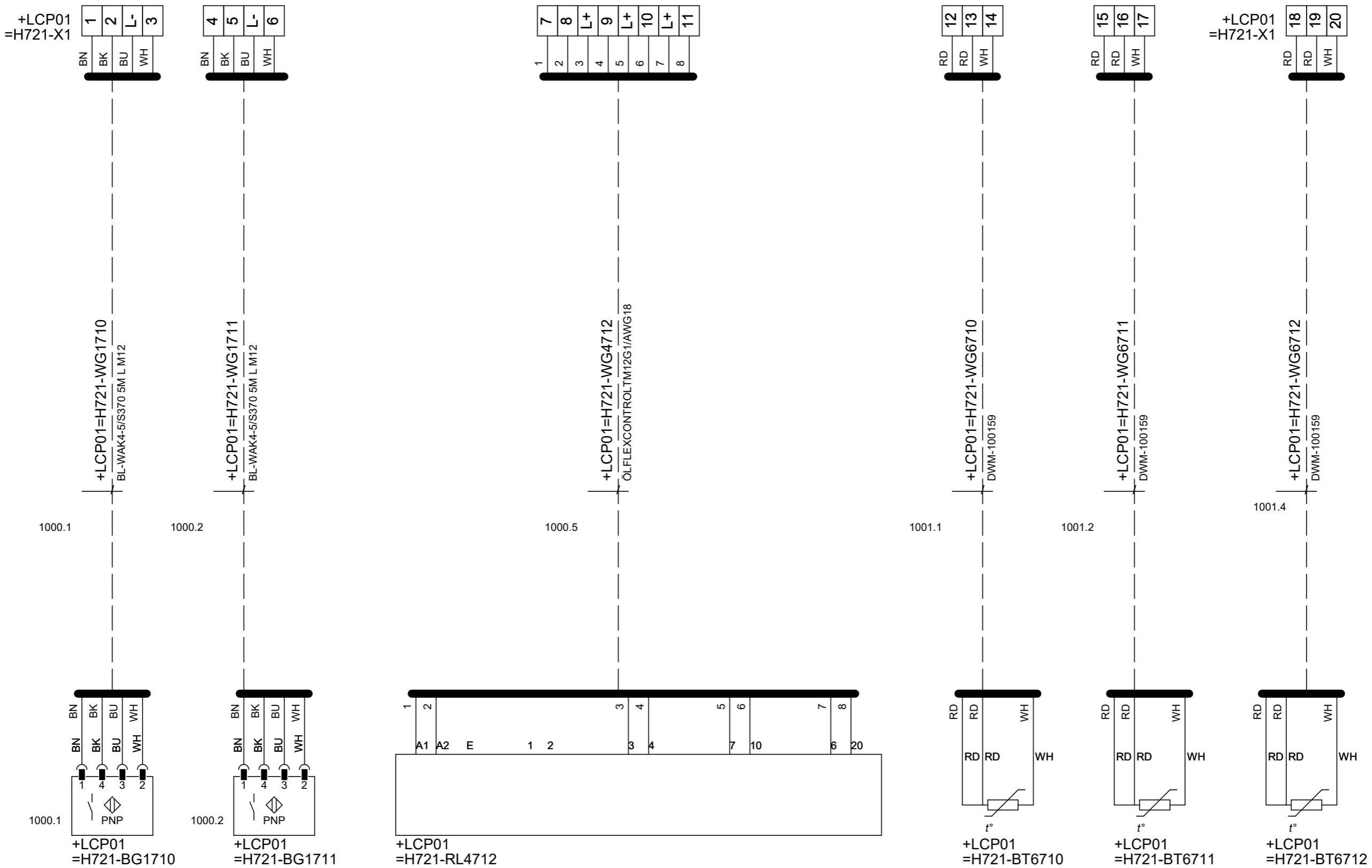




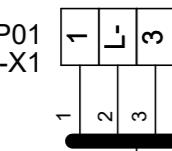






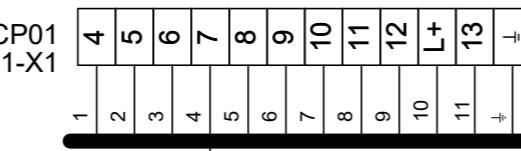


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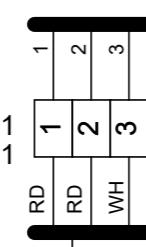
1020.1  
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+LCP01  
 =H731-X1



1021.1

+CB.H731-01  
 =H731



RD RD WH

DWM-100159

RD RD WH

t°

+LCP01  
 =H731-BT6701

+LCP01  
 =H731-BT6702

+LCP01  
 =H731-BT6703

+LCP01  
 =H731-BG1715

+LCP01  
 =H731-BP3701

+LCP01=H731-WG18

ÖLFLEXCONTROLTMCY12G1/AWG18

RD RD WH

DWM-100159

RD RD WH

t°

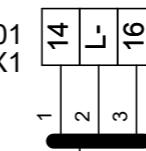
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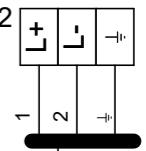
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+LCP01  
 =H731-X1



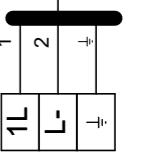
1021.7  
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+LCP01  
 =DC01-X2



1021.7  
 - +PLC2=DC04.1-WGDC  
 JÖLFLEXCONTROLTM3G1/AWG18

+PLC2  
 =DC04-X107



1020.1  
 24V GND mA OUT V OUT  
 Presure J1 J2 J3 J4 J5 J6

+LCP01  
 =H731-BP3701

Page title

Graphic Cable Plan

Constructor  
 CHC

Revision  
 A01

JHI, USA  
 Dan-Web Machinery A/S

Project no.  
 P100034 Last change: 08-12-2020

File: P100034 DanWeb JHI - LCP01 rev.A07 CCH

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