zake

PROJECT NAME	AKGIDA_vortex5.5hp
CUSTOMER NAME	AKGIDA SAN.TİC.
Proje Id	

Electrical schematic diagram — Page 3

Top bus lines (right side):
- L1 →12.0
- L2
- L3
- N →12.0
- PE

Components:
- F2 4A
- F3 2A
- F4 2A
- F5 2A
- F1 20A
- F6 1A
- PS (AC / DC)
- Y3 1 2 3 — YEDEK
- Y3 4 5 6 — YEDEK
- L, N, PE
- X1 1 2 3 4 5
- L1 L2 L3 N PE

Outputs:
- GND →4.0
- 24V →4.0

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3.6 24V 24V 6.0
3.6 GND GND 6.0

F7
1A
2 1

F8
1A
2 1

L+ M 1M 2M

SIEMENS SIMATIC
S7-1200

RUN/STOP
ERROR
MAINT

0 1 2 3 4 5 6 7
DIa

RS485
CB1241

DQa
0 1 2 3 4 5

3L

WEINTEK

MT8102iP 10.1"

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| Proje: AKGIDA_vortex5.5hp | | Onaylayan: | Sayfa: 4 |
| Tarih: 15.09.2023 | Rev: | Proje Id: | Toplam Sayfa: 13 | Sonraki Sayfa: 5 |

CB1241

TR/A   TR/B

MODBUS D+   MODBUS D+

MODBUS D-   MODBUS D-

19   18

A   B
D+   D-

ZVTM

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24V 4.9 → 24V → 7.0

GND 4.9 → GND → 7.0

ZVTM
I/O MODUL

38	37	36	35	34	33	32	31	30
DI8	DI7	DI6	DI5	DI4	DI3	DI2	DI1	

29	28	27	26	25	24	23	22	21	20
AI5		AI4		AI3		AI2		AI1	

19	18	17
A	B	SHIELD

RS-485

Slave Address:120
B: 9600 Bd
Party : None
Stop Bit : 1

POWER SUPPLY
+ -
| 1 | 2 |

DO1 DO2 DO3 DO4 DO5 DO6 DO7 DO8
| 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

POWER SUPPLY
| 11 | 12 |

AO1   AO2
| 13 | 14 | 15 | 16 |

ZVTM1

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ZVTM
I/O MODUL

AI1		AI2		AI3		AI4		AI5		AO1		AO2	
20	21	22	23	24	25	26	27	28	29	13	14	15	16

X2 1UST — 1ALT
X2 2UST — 2ALT
X2 3UST — 3ALT
X2 4UST — 4ALT
X2 5UST — 5ALT
Y4 1UST — 1ALT
Y4 2UST — 2ALT

FLOWMETRE 1
FLOWMETRE 2
YEDEK
YEDEK
YEDEK
ORANSAL VANA 1
ORANSAL VANA 2

6.9 > 24V .... 24V > 8.0
6.9 > GND .... GND > 9.0

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SIEMENS
1211C DC/DC/DC

DI   .0   .1   .2   .3   .4   .5

YEDEK   YEDEK   YEDEK   YEDEK

S1   S2 E—┐ 3
ACİL STOP   SYSTEM START 4

ACIL STOP   SYSTEM START

X3 1UST   X3 2UST   X3 3UST   X3 3UST

7.9 > 24V   24V > 9.0

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SIEMENS
1211C DC/DC/DC

DO   .0   .1   .2   .3

R1 SOFTSTARTER   R2 POMPA1   R3 POMPA2   R4 ALARM

SOFT STARTER   POMPA 1   POMPA 2   ALARM

BUZZER

9.9 GND   GND 11.0

Proje: AKGIDA_vortex5.5hp
Onaylayan:
Sayfa: 10
Tarih: 15.09.2023
Rev:
Proje Id:
Toplam Sayfa: 13
Sonraki Sayfa: 11

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ZVTM1

zake
ZVTM

DO   .0   .1   .2   .3   .4   .5   .6   .7

R5
YEDEK

YEDEK

10.9 > GND   GND >

POMPA

Proje:
AKGIDA_vortex5.5hp

Tarih:
15.09.2023

Proje Id:
1807-222

Onaylayan:

Sayfa:
13

Toplam Sayfa:
13

Sonraki Sayfa: