



## CONTROLBOX OVERB.1600 16KW

Projekt: ESBB160000

Datum : 5-10-2013

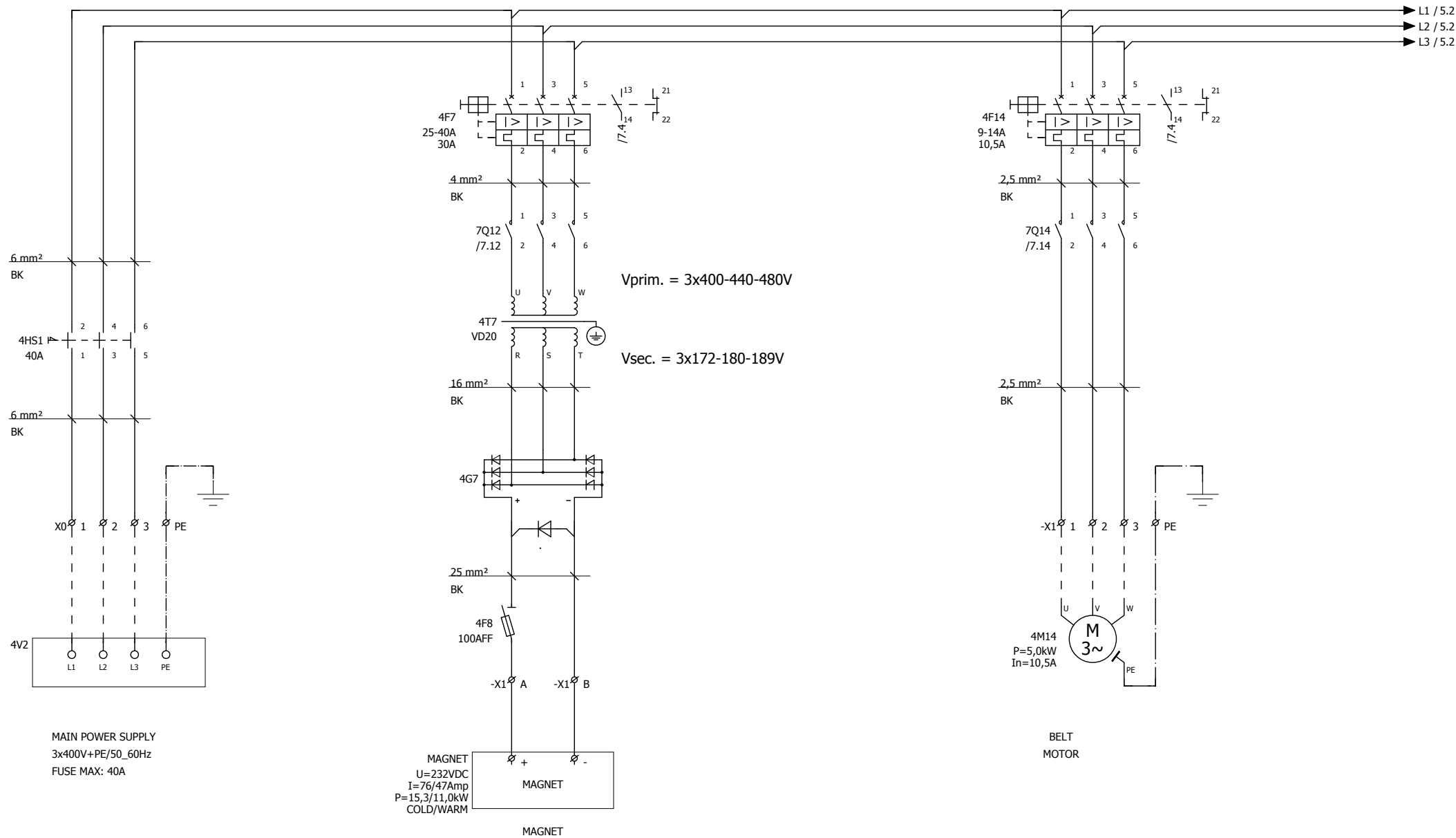
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|  |                  |                |     | GROUP : 01                           |  |  | 2                       |
|  | DATE : 5-10-2013 | DRAWN BY : PAJ |     | MANUFACTURER:                        |  |  | DRAWING.NR.: ESBB160000 |
|  | MOD. : 05-10-13  | C              | PAJ | TNR                                  |  |  | ORD.NR. : OR:           |
|  | MOD. :           |                |     | PROJ.NR.:                            |  |  | CHECK :                 |
|  |                  |                |     | CUSTOMER :                           |  |  | PAGE : 1                |
|  |                  |                |     | PROJECT : CONTROLBOX OVERB.1600 16KW |  |  | TOTAL PAGES : 15        |
|  |                  |                |     | SUBJECT : Titel                      |  |  |                         |

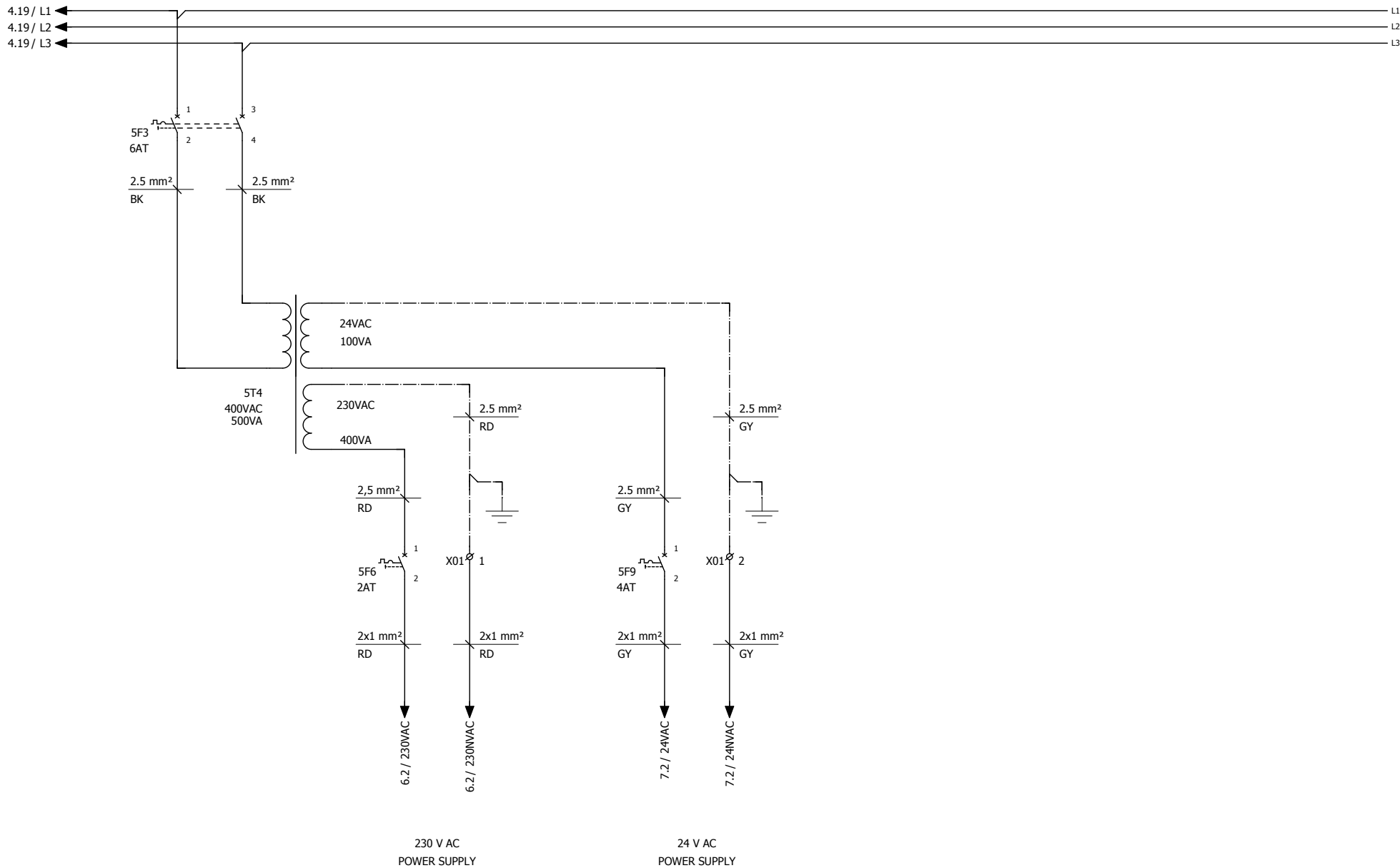


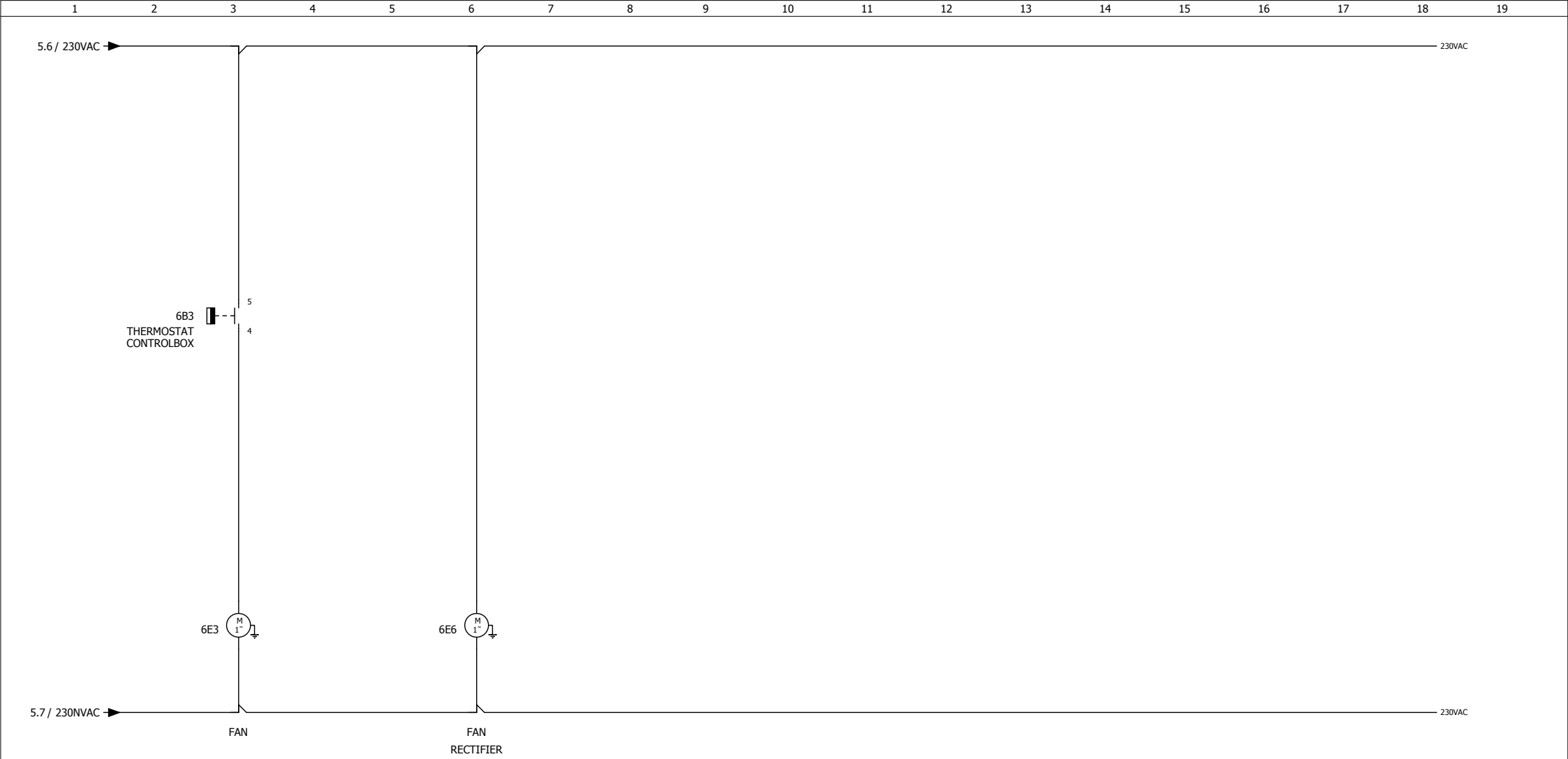


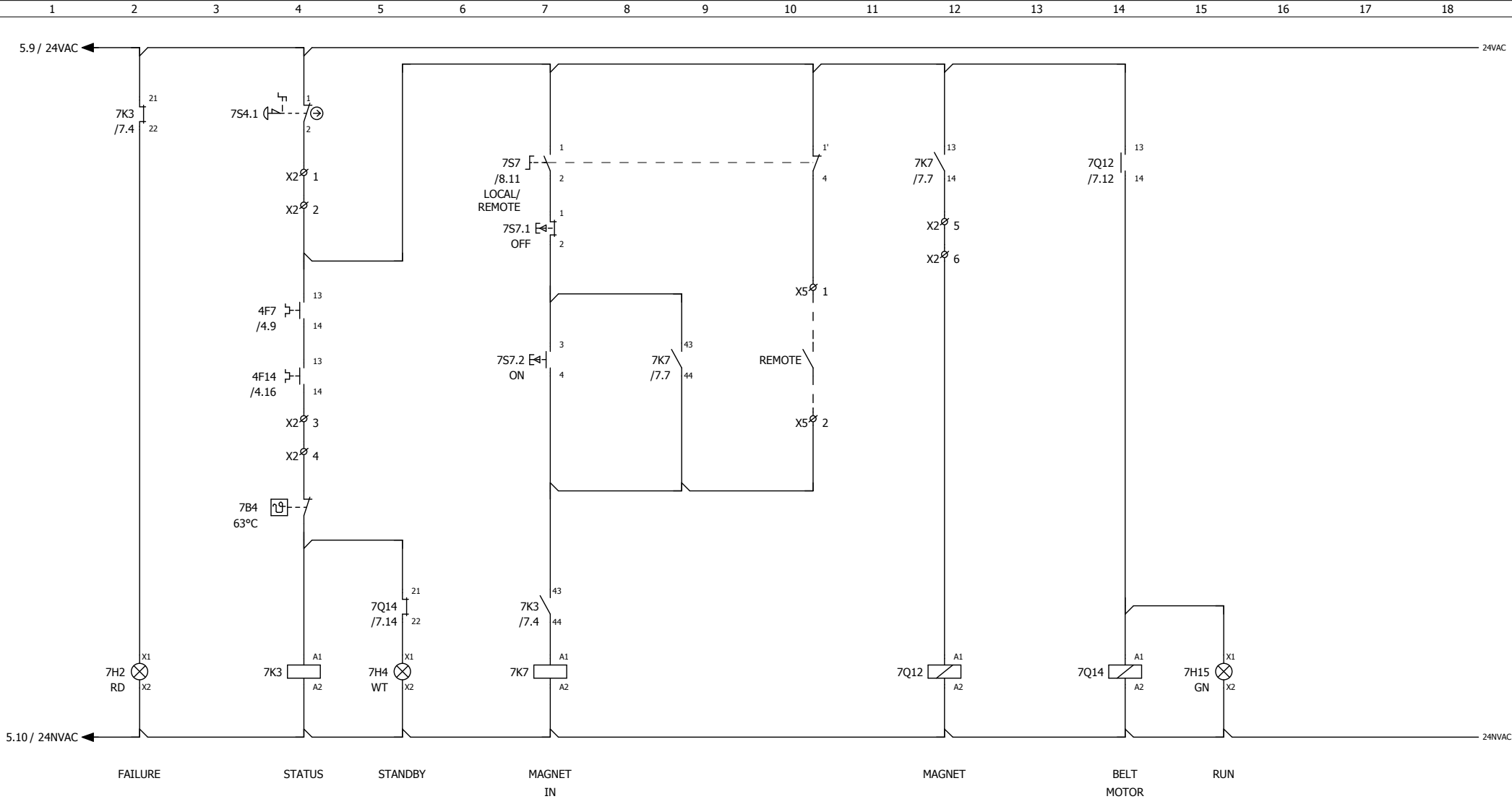
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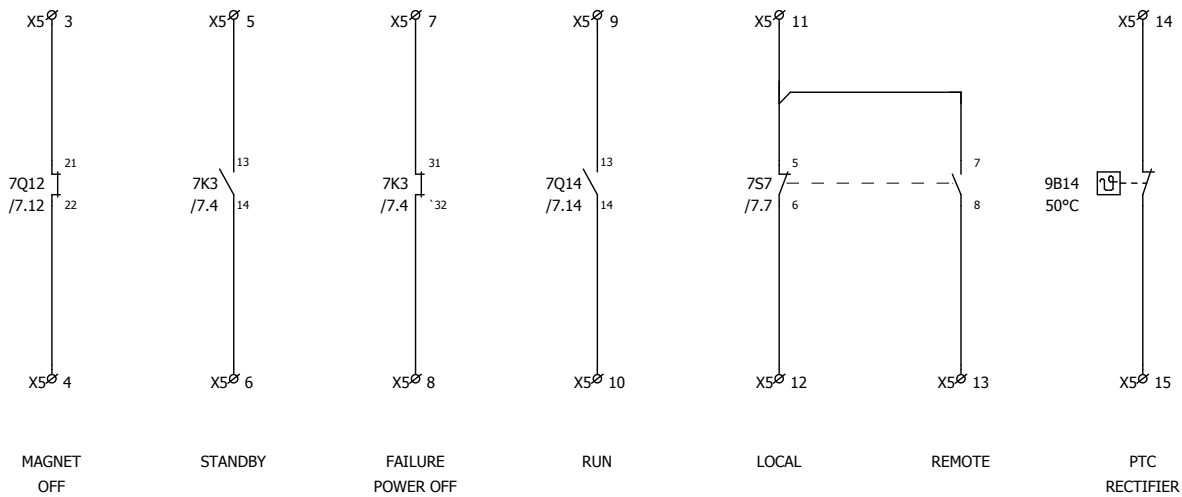




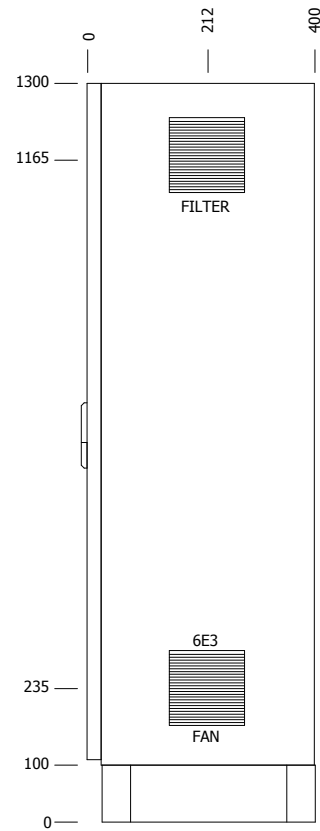
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| DATE : | 5-10-2013 | DRAWN BY : | PAJ | MANUFACTURER: |  |
| MOD. : | 05-10-13  | C          | PAJ | TNR           |  |
| MOD. : |           |            |     | PROJ.NR.:     |  |

|            |                            |              |            |
|------------|----------------------------|--------------|------------|
| CUSTOMER : |                            | DRAWING.NR.: | ESBB160000 |
| PROJECT :  | CONTROLBOX OVERB.1600 16KW | ORD.NR. :    | OR:        |
| SUBJECT :  | Control Circuit            | CHECK :      |            |

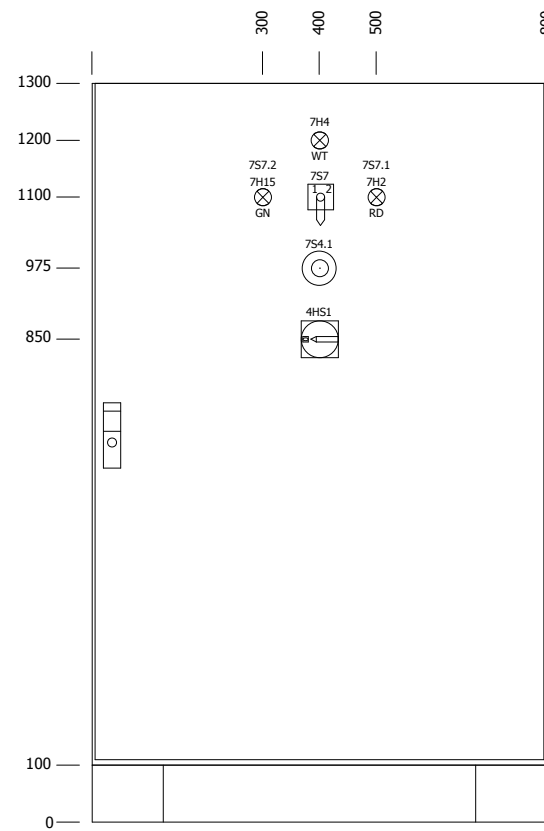
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| GROUP : 01    | 8  |
| PAGE :        | 7  |
| TOTAL PAGES : | 15 |



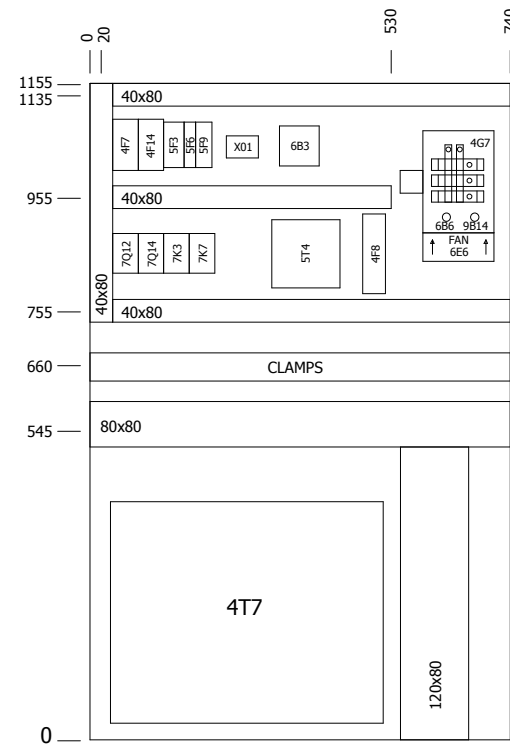
Zij-aanzicht



Voor-aanzicht



Montageplaat



KASTTYPE :  
CM5117.500

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|                                                                                    |                  |                |     |               |                                      |                        |         |
|------------------------------------------------------------------------------------|------------------|----------------|-----|---------------|--------------------------------------|------------------------|---------|
|  | DATE : 5-10-2013 | DRAWN BY : PAJ |     | MANUFACTURER: | CUSTOMER :                           | DRAWING.NR.: ESB160000 | 10      |
|                                                                                    | MOD. : 05-10-13  | C              | PAJ | TNR           | PROJECT : CONTROLBOX OVERB.1600 16KW | ORD.NR. : OR:          |         |
|                                                                                    | MOD. :           |                |     |               | PROJ.NR.:                            | SUBJECT : X0           | CHECK : |

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|                                                                                    |                  |                |     |               |                                                                            |                        |           |                  |
|------------------------------------------------------------------------------------|------------------|----------------|-----|---------------|----------------------------------------------------------------------------|------------------------|-----------|------------------|
|  | DATE : 5-10-2013 | DRAWN BY : PAJ |     | MANUFACTURER: | CUSTOMER :<br><br>PROJECT : CONTROLBOX OVERB.1600 16KW<br><br>SUBJECT : X1 | DRAWING.NR.: ESB160000 | PAGE : 11 |                  |
|                                                                                    | MOD. : 05-10-13  | C              | PAJ | TNR           |                                                                            | ORD.NR. : OR:          |           |                  |
|                                                                                    | MOD. :           |                |     | PROJ.NR.:     |                                                                            | CHECK :                |           | TOTAL PAGES : 15 |

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MATERIALLIST

| PART NUMBER    | TOT. | TYPE                      | DISCRIPTION                                 | MANUFACTOR     | ORDERING CODE            | CODE GOUDSMIT | VOLTAGE  | PAGE/PATH |
|----------------|------|---------------------------|---------------------------------------------|----------------|--------------------------|---------------|----------|-----------|
| =01-4HS1       | 1    | H240-41300-033-M4         | Main Switch 40A                             | Salzer         | H240-41300-033-M4        |               | 0        | =01/4.2   |
| =01-4F7        | 1    | GV3-P40                   | Motor protection switch (30 - 40)           | Telemechanique | GV3-P40                  |               | 0        | =01/4.7   |
| =01-4F7        | 1    | GV3-A01                   | Auxiliary contact block 1xNO 1xNC           | Telemechanique | A01                      |               | 0        | =01/4.7   |
| =01-4T7        | 1    | VD20 (3*172-180-189V)     | Transf. 3x400-440-480V/3x172-180-189V 20KVA | Jaspers        | VD20 (3*172-180-189V)    | EIJJ220K00    | 0        | =01/4.7   |
| =01-4G7        | 1    | B6U 500/670-175 FCT + 2TC | Rectifier                                   | Semikron       | B6U 500/670-175 FCT +2TC |               | 0        | =01/4.7   |
| =01-4F8        | 1    | 3NH3030                   | Fuse holder 1P                              | Siemens        | 3NH3030                  | EIHE091001    | 0        | =01/4.7   |
| =01-4F8        | 1    | 3NE8021                   | NH1-Fuse 100AFF                             | Siemens        | 3NE8021                  | EIHF080101    | 0        | =01/4.7   |
| =01-4F14       | 1    | GV2-ME16                  | Motor protection switch (9 - 14)            | Telemechanique | GV2-ME16                 |               | 0        | =01/4.14  |
| =01-4F14       | 1    | GV-AE11                   | Auxiliary contact block 1xNO 1xNC           | Telemechanique | GV-AE11                  |               | 0        | =01/4.14  |
| =01-5F3        | 1    | A9F79206                  | Circuit breaker 2P 6AT                      | Merlin Gerin   | A9F79206                 |               | 0        | =01/5.3   |
| =01-5T4        | 1    | VE05                      | Transformer 500VA                           | Jaspers        | VE05                     |               | 0        | =01/5.4   |
| =01-5F6        | 1    | A9F74102                  | Circuit breaker 1P 2AT                      | Merlin Gerin   | A9F74102                 |               | 0        | =01/5.6   |
| =01-5F9        | 1    | A9F74104                  | Circuit breaker 1P 4AT                      | Merlin Gerin   | A9F74104                 |               | 0        | =01/5.9   |
| =01-6B3        | 1    | SK3110.000                | Thermostat                                  | Rittal         | SK3110.000               |               |          | =01/6.3   |
| =01-6E3        | 1    | SK3238.100                | Fan 19 Watt                                 | Rittal         | SK3238.100               |               |          | =01/6.3   |
| =01-6E3        | 1    | SK3238.200                | Filter                                      | Rittal         | SK3238.200               |               |          | =01/6.3   |
| =01-7S4.1      | 1    | ZB4-BS54                  | Emergency stop                              | Telemechanique | ZB4-BS54                 |               | 0        | =01/7.4   |
| =01-7S4.1      | 1    | ZB4-BZ102                 | NC Contact                                  | Telemechanique | ZB4-BZ102                |               | 0        | =01/7.4   |
| =01-7S4.1      | 1    | ZBY-9530                  | Emergency stop Tag                          | Telemechanique | ZBY-9530                 |               | 0        | =01/7.4   |
| =01-7K3        | 1    | CAD32-B7                  | Auxiliary relay                             | Telemechanique | CAD32-B7                 |               | 24VAC    | =01/7.4   |
| =01-7H4        | 1    | ZB4-BV013                 | Pilot light white                           | Telemechanique | ZB4-BV013                |               | 0        | =01/7.5   |
| =01-7H4        | 1    | ZB4-BVB1                  | Lamp led white                              | Telemechanique | ZB4-BVB1                 |               | 24VDC/AC | =01/7.5   |
| =01-7S7        | 1    | M220-61038-003M1          | Selector switch                             | Salzer         | M220-61038-003M1         |               | 0        | =01/7.7   |
| =01-7S7.1      | 1    | ZB4-BW34                  | Pushbutton red with indicating light        | Telemechanique | ZB4-BW34                 |               | 0        | =01/7.7   |
| =01-7S7.1      | 1    | ZB4-BW062                 | NC & indicating light                       | Telemechanique | ZB4-BW062                |               | 0        | =01/7.7   |
| =01-7S7.2      | 1    | ZB4-BW33                  | Pushbutton green with indicating light      | Telemechanique | ZB4-BW33                 |               | 0        | =01/7.7   |
| =01-7S7.2      | 1    | ZB4-BW061                 | NO & indicating light                       | Telemechanique | ZB4-BW061                |               | 0        | =01/7.7   |
| =01-7K7        | 1    | CAD32-B7                  | Auxiliary relay                             | Telemechanique | CAD32-B7                 |               | 24VAC    | =01/7.7   |
| =01-7Q12       | 1    | LC1-D32-B7                | Relay 15 kW                                 | Telemechanique | LC1-D32-B7               | 24 V AC       | 24VAC    | =01/7.12  |
| =01-7Q14       | 1    | LC1-D09-B7                | Relay 4.0 kW                                | Telemechanique | LC1-D09-B7               |               | 24VAC    | =01/7.14  |
| =01-CONTROLBOX | 1    | CM 5117.500               | Controlbox 800 x 1200 x 400mm               | Rittal         | CM 5117.500              |               |          | =01/9.173 |
| =01-CONTROLBOX | 1    | TS8601.800                | Elements front and back 800 x 100mm         | Rittal         | TS8601.800               |               |          | =01/9.173 |
| =01-CONTROLBOX | 1    | TS8601.040                | Elements for side 400 x 100mm               | Rittal         | TS8601.040               |               |          | =01/9.173 |
| =01-CONTROLBOX | 1    | SZ2515.000                | Drawing holder                              | Rittal         | SZ2515.000               |               |          | =01/9.173 |
|                |      |                           |                                             |                |                          |               |          |           |