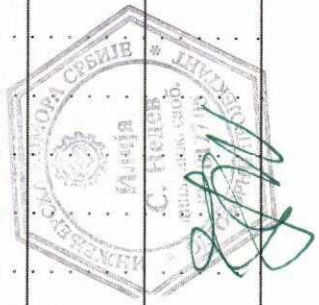
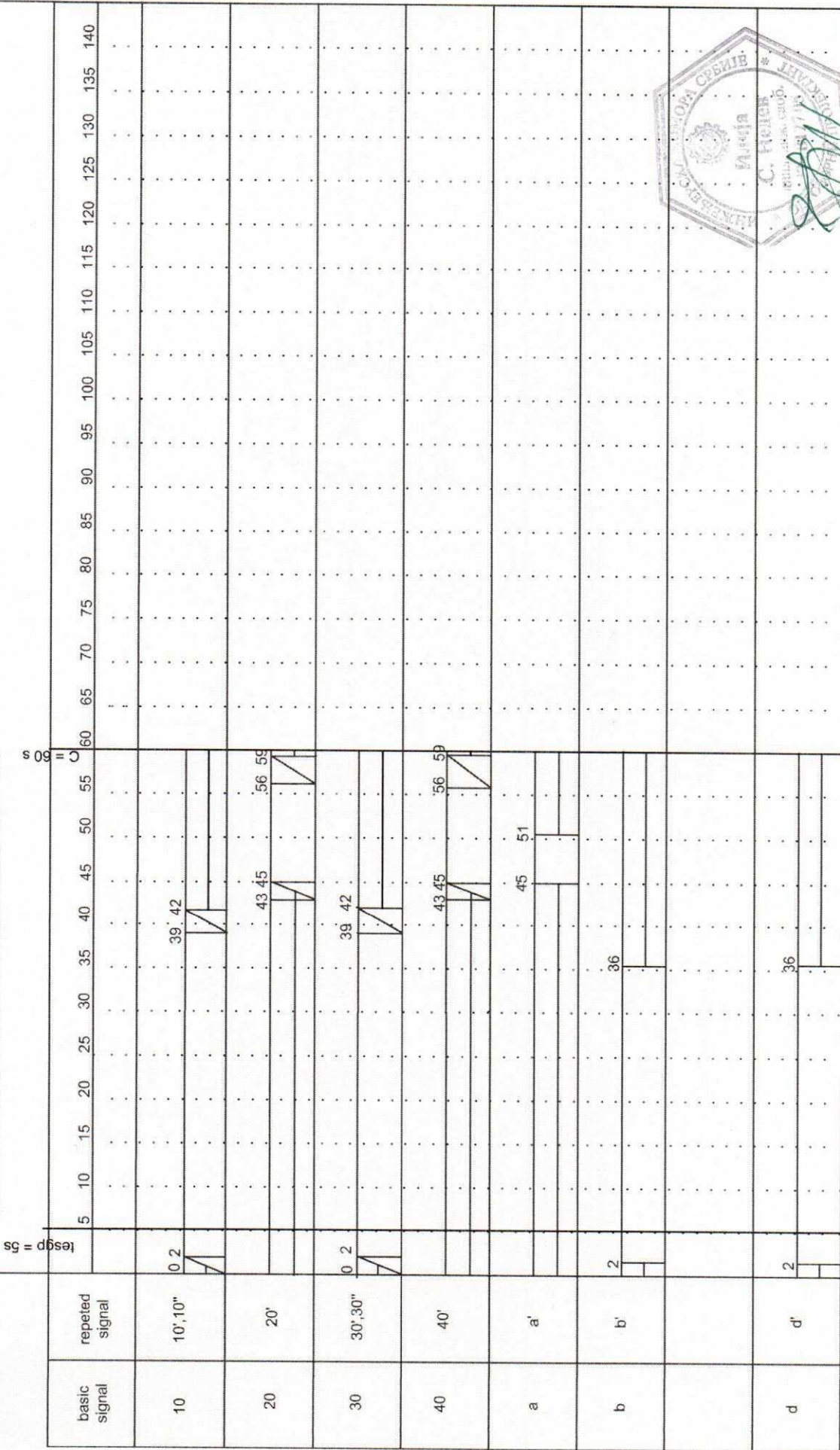


INTERSECTION KRNJASEVACKA STREET, DECKA STREET AND  
 OBRADOVIC'S SOKAK STREET IN SIMANOVCI., SGP 1, C = 60 s



h 40 Obrdovic's sokak street

5.00 m

pole 4.1.0

pole 3.2 R6

pole 4.2 R6

console pole 1.1

8.00 m

aproach 30, Krnjasevacka street, from village Pecinci

console pole 3.1 R8

pole 2.2 20

8.00 m

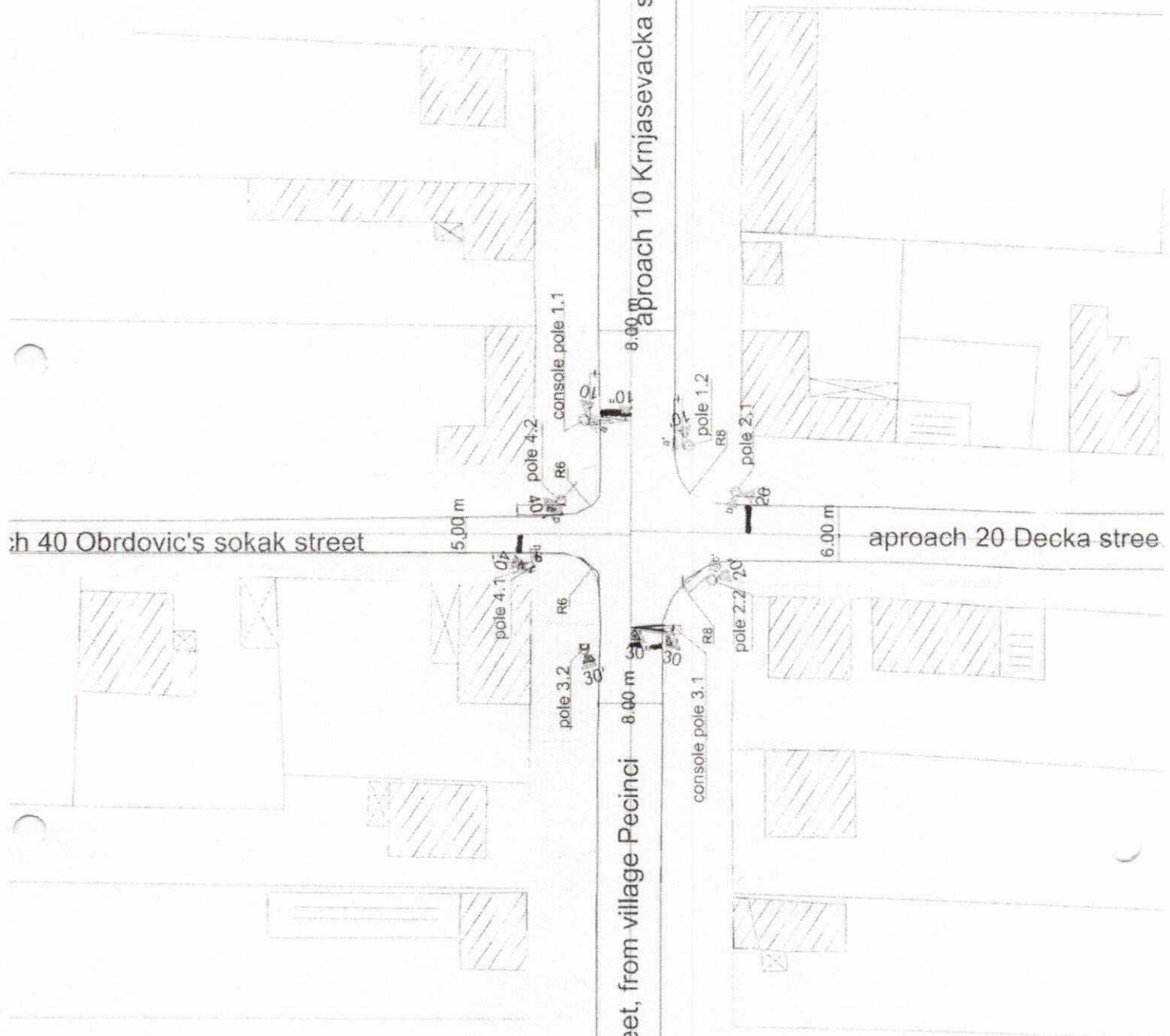
aproach 10 Krnjasevacka street, from motor

pole 1.2 R8

pole 2.1 20

6.00 m

aproach 20 Decka stree



# Signalgruppen



LISA

| Nr | Name | Typ    | Symbol | ID-Nr. | Freigabezeit |     | Sperrzeit |     | Haupt-richtg. | Farbbild<br>Aus Gelb-Bk | Vmax<br>[km/h] | Anwurf     | Abwurf  | Verkehrs-<br>art |
|----|------|--------|--------|--------|--------------|-----|-----------|-----|---------------|-------------------------|----------------|------------|---------|------------------|
|    |      |        |        |        | Min          | Max | Min       | Max |               |                         |                |            |         |                  |
| 1  | K10  | RoGeGn | ↓      | 1      | 5            | -   | 2         | -   |               | GelbBik                 | -              | RotGelb 2s | Gelb 3s | Fz               |
| 2  | K20  | RoGeGn | ←      | 2      | 5            | -   | 2         | -   |               | GelbBik                 | -              | RotGelb 2s | Gelb 3s | Fz               |
| 3  | K30  | RoGeGn | ↑      | 3      | 5            | -   | 2         | -   |               | GelbBik                 | -              | RotGelb 2s | Gelb 3s | Fz               |
| 4  | K40  | RoGeGn | →      | 4      | 5            | -   | 2         | -   |               | GelbBik                 | -              | RotGelb 2s | Gelb 3s | Fz               |
| 5  | Fa   | RoGn   | ↔      | 5      | 5            | -   | 2         | -   |               | Dunkel                  | -              | -          | -       | ÖV;Fuss          |
| 6  | Fb   | RoGn   | ↕      | 6      | 5            | -   | 2         | -   |               | Dunkel                  | -              | -          | -       | ÖV;Fuss          |
| 7  | Fd   | RoGn   | ↕      | 7      | 5            | -   | 2         | -   |               | Dunkel                  | -              | -          | -       | ÖV;Fuss          |



|              |  |          |               |       |            |
|--------------|--|----------|---------------|-------|------------|
| Projekt      | Simanovci  |          |               |       |            |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |

LISA

| Nr | SGR | Kammer<br>anzahl | Signalgeber     | Abschaltung bei Ausfall von<br>(Regelfall: Rotlampe) |
|----|-----|------------------|-----------------|--|
| 1  | K10 | 3                | K10; K10a; K10b | UGA 1  |
| 2  | K20 | 3                | K20; K20a       | UGA 1  |
| 3  | K30 | 3                | K30; K30a; K30b | UGA 1  |
| 4  | K40 | 3                | K40; K40a       | UGA 1  |
| 5  | Fa  | 2                | Fa; Fa1         | UGA 1#2  |
| 6  | Fb  | 2                | Fb; Fb1         | UGA 1#2  |
| 7  | Fd  | 2                | Fd; Fd1         | UGA 1#2  |

|              |  |          |               |       |            |
|--------------|--|----------|---------------|-------|------------|
| Projekt      | Simanovci  |          |               |       |            |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |



LISA+

|            |     | EINFAHREND |     |     |     |    |    |    |
|------------|-----|------------|-----|-----|-----|----|----|----|
|            |     | K10        | K20 | K30 | K40 | Fa | Fb | Fd |
| RÄUMEND    | K10 | ↓          | 6   | -   | 6   | 6  | -  | -  |
|            | K20 | ←          | 6   | 6   | -   | -  | 6  | 6  |
|            | K30 | ↑          | -   | 6   | 6   | 6  | -  | -  |
|            | K40 | →          | 6   | -   | 6   | -  | 6  | 6  |
|            | Fa  | ↔          | 8   | -   | 8   | -  | -  | -  |
|            | Fb  | ↕          | -   | 8   | -   | 8  | -  | -  |
|            | Fd  | ↕          | -   | 8   | -   | 8  | -  | -  |
| min. Frei  |     | 5          | 5   | 5   | 5   | 5  | 5  | 5  |
| min. Sperr |     | 2          | 2   | 2   | 2   | 2  | 2  | 2  |
| Gelbzeiten |     | 3          | 3   | 3   | 3   | -  | -  | -  |

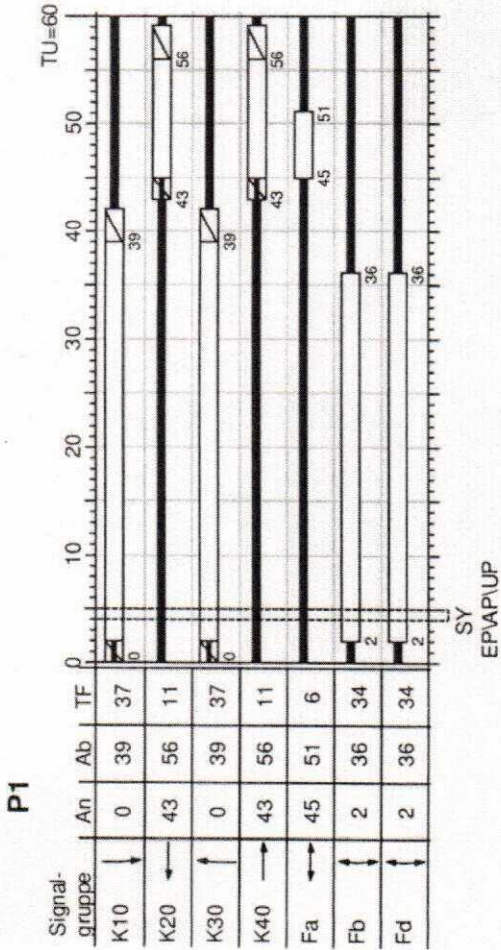
Zwischenzeiten aus bestehendem Signalzeitenplan entnommen.



|              |  |          |               |       |            |
|--------------|--|----------|---------------|-------|------------|
| Projekt      | Simanovci  |          |               |       |            |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |

P1

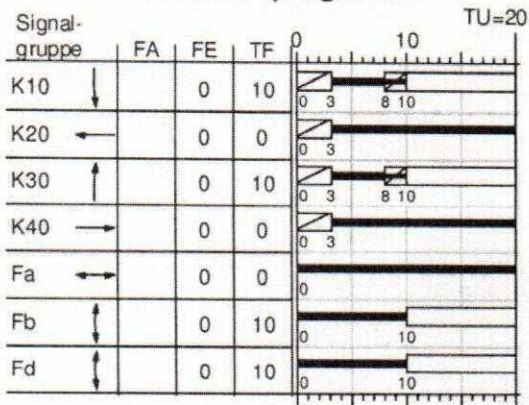
USA



|            |  |        |             |
|------------|--|--------|-------------|
| Knoten     | Simanovci: Krnjasevacka street/Obrdovic's sokak street |        |             |
| Variante   | Neuerstellung  |        |             |
| Bearbeiter | Kraushaar  | Status | Bearbeitung |
| Signum     |  | Datum  | 09.11.2007  |
|            |  | Blatt  |             |

LISA

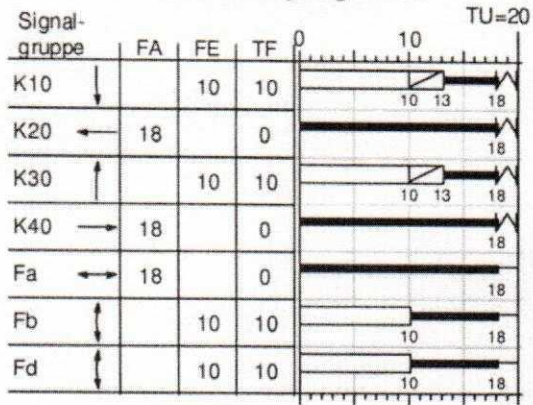
## Einschaltprogramm



|              |  |          |               |       |            |
|--------------|--|----------|---------------|-------|------------|
| Projekt      | Simanovci  |          |               |       |            |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |

LISA+

## Ausschaltprogramm



|              |  |          |               |                  |
|--------------|--|----------|---------------|------------------|
| Projekt      | Simanovci  |          |               |                  |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |                  |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt            |



### Wochenplantabelle

| Nr | Wochenplan | Mo       | Di       | Mi       | Do       | Fr       | Sa       | So       | Bemerkung           |
|----|------------|----------|----------|----------|----------|----------|----------|----------|---------------------|
| 1  | Standard   | Standard | Standard | Standard | Standard | Standard | Standard | Standard | Standard-Wochenplan |

### Standard

Tagesplan: Standard ID-Nr.: 1 Langbezeichnung: Standard-Tagesplan

| Nr | Zeit  | Befehl      | SZP | VA | ÖV | Aus-Typ      | Koordiniert | Bemerkung |
|----|-------|-------------|-----|----|----|--------------|-------------|-----------|
| 1  | 00:00 | Aus         |     | -  | -  | Aus Gelb-Blk | -           |           |
| 2  | 05:00 | Umschaltung | P1  | -  | -  | -            | -           |           |
| 3  | 22:00 | Aus         |     | -  | -  | Aus Gelb-Blk | -           |           |




|              |  |          |               |       |            |
|--------------|--|----------|---------------|-------|------------|
| Projekt      | Simanovci  |          |               |       |            |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |

856 7900 46 863

10

10061625


| Lfd.Nr. | page name                   | page<br>existing (X) | pages |
|---------|-----------------------------|----------------------|-------|
| 1       | contents                    | X                    | 1     |
| 2       | signal cable projekt        | X                    | 1     |
| 3       | terminal strip              | X                    | 1     |
| 4       | pressure clamp wiring       | X                    | 2     |
| 5       | seizure EA                  | X                    | 1     |
| 6       | contact arrangement Rack X3 | X                    | 1     |
| 7       | seizure IO                  | X                    | 1     |
| 8       | basic wiring                | X                    | 1     |
| 9       | allocation scheme X7        | X                    | 1     |
| 10      | contact arrangement Rack X7 | X                    | 2     |
| 11      | allocation scheme X2        | X                    | 1     |
| 12      | contact arrangement Rack X2 | X                    | 2     |
| 13      | allocation scheme XX        | X                    | 1     |
| 14      | contact arrangement Rack XX | X                    | 1     |
| 15      | custom IC                   | X                    | 2     |
| 16      | cabinet view                | X                    | 1     |
| 17      | ACTROS wiring               | X                    | 1     |
| 18      | transformer wiring          | X                    | 1     |
| 19      | module frame                | X                    | 1     |
| 20      | equipment lettering         | X                    | 1     |
| 21      | plant parts list            | X                    | 1     |
| 22      | location plan               | X                    | 1     |

|                                  |                          |                      |                               |   |  |
|----------------------------------|--------------------------|----------------------|-------------------------------|---|--|
| original:<br>handling<br>version | Baumann<br>Esposito<br>1 | 23.07.07<br>09.11.07 | city::<br>position:<br>EQ-Nr: | Simanovce (Serbien)<br>Krnjasevacka street / Obrdovic's sokak street<br>2008339 |  <b>Signalbau Huber</b> |
| page name                        | contents                 |                      | <b>ACTROS</b><br>contents     |   | page<br>1 of 1   |
| data file                        | 2008339neu.xls           |                      |                               |   |  |

| mast cable  | Mast Nr.   | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. | Mast Nr. |                           |  |                |                                |
|---|--|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------------------------|--|----------------|--------------------------------|
|   | 1  | 2        | 3        | 4        | 5        | 6        | 7        | 8        |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 1x10mm <sup>2</sup>   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 5x1,5mm <sup>2</sup>  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 7x1,5mm <sup>2</sup>  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 10x1,5mm <sup>2</sup>   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 12x1,5mm <sup>2</sup>   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 16x1,5mm <sup>2</sup>   | 1  | 1        | 1        | 1        | 1        | 1        | 1        | 1        |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 21x1,5mm <sup>2</sup>   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 24x1,5mm <sup>2</sup>   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| NYV 30x1,5mm <sup>2</sup>   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| Koax-cable 75 Ohm<br>detect.cable 2x2x0,8mm <sup>2</sup>              |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| Zentr. 20x2x0,8mm <sup>2</sup>  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| Zentr. 30x2x0,8mm <sup>2</sup>  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| Zentr. 50x2x0,8mm <sup>2</sup>  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| detector cable  | D  | D        | D        | D        | D        | D        | D        | D        | D        | D        | D        | D        | D        | D        | D        | D        |                           |  |                |                                |
| detect. cable 2x2x0,8mm <sup>2</sup>                                  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
|   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
|   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
|   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| original: Baumann 23.07.07<br>handling Esposito 09.11.07<br>version 1 | <table border="1"> <tr> <td>city: Simanovce (Serbien)</td> </tr> <tr> <td>position Krnjasevacka street / Obrdovic's sokak street</td> </tr> <tr> <td>EQ-Nr: 2008339</td> </tr> <tr> <td>page name signal cable projekt</td> </tr> </table> |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | city: Simanovce (Serbien) | position Krnjasevacka street / Obrdovic's sokak street | EQ-Nr: 2008339 | page name signal cable projekt |
| city: Simanovce (Serbien)   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| position Krnjasevacka street / Obrdovic's sokak street                |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| EQ-Nr: 2008339  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| page name signal cable projekt  |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |
| data file 2008339neu.xls  | <table border="1"> <tr> <td>page 1 of 1</td> </tr> </table>  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | page 1 of 1               |  |                |                                |
| page 1 of 1   |  |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |                           |  |                |                                |


| Leiste 1 |     |        |              |       |
|----------|-----|--------|--------------|-------|
| MAST     | Kl. | Signal | Bez.         | Auss. |
| Nr.      | Nr. |        |              | Kab.  |
| 1        | 1   | Rt     | K10a         | 1     |
|          | 2   | Ge     | "            | 2     |
|          | 3   | Gn     | "            | 3     |
|          | 4   | N-LS   | "            | 4     |
|          | 5   | Rt     | K10b         | 5     |
|          | 6   | Ge     | "            | 6     |
|          | 7   | Gn     | "            | 7     |
|          | 8   | N-LS   | "            | 8     |
|          | 9   | Rt     | Fa1          | 9     |
|          | 10  | Gn     | "            | 10    |
|          | 11  | N-LS   | "            | 11    |
|          | 12  |        |              | 12    |
|          | 13  |        |              | 13    |
|          | 14  |        |              | 14    |
|          | 15  |        |              | 15    |
| 2        | 16  | Rt     | K10c         | 1     |
|          | 17  | Ge     | "            | 2     |
|          | 18  | Gn     | "            | 3     |
|          | 19  | N-LS   | "            | 4     |
|          | 20  | Rt     | Fa2          | 5     |
|          | 21  | Gn     | "            | 6     |
|          | 22  | N-LS   | "            | 7     |
|          | 23  |        |              | 8     |
|          | 24  |        |              | 9     |
|          | 25  |        |              | 10    |
|          | 26  |        |              | 11    |
|          | 27  |        |              | 12    |
|          | 28  |        |              | 13    |
|          | 29  |        |              | 14    |
|          | 30  |        |              | 15    |
| 3        | 31  | Rt     | K20a         | 1     |
|          | 32  | Ge     | "            | 2     |
|          | 33  | Gn     | "            | 3     |
|          | 34  | N-LS   | "            | 4     |
|          | 35  | Rt     | Fb1          | 5     |
|          | 36  | Gn     | "            | 6     |
|          | 37  | N-LS   | "            | 7     |
|          | 38  |        |              | 8     |
|          | 39  |        |              | 9     |
|          | 40  |        |              | 10    |
|          | 41  |        |              | 11    |
|          | 42  |        |              | 12    |
|          | 43  |        |              | 13    |
|          | 44  |        |              | 14    |
|          | 45  |        |              | 15    |
| 4        | 46  | Rt     | K20b         | 1     |
|          | 47  | Ge     | "            | 2     |
|          | 48  | Gn     | "            | 3     |
|          | 49  | N-LS   | "            | 4     |
|          | 50  | Rt     | Fb2          | 5     |
|          | 51  | Gn     | "            | 6     |
|          | 52  | N-LS   | "            | 7     |
|          | 53  |        |              | 8     |
|          | 54  |        |              | 9     |
|          | 55  |        |              | 10    |
|          | 56  |        |              | 11    |
|          | 57  |        |              | 12    |
|          | 58  |        |              | 13    |
|          | 59  | L-LS   | test voltage |       |

| Leiste 2 |     |        |      |       |
|----------|-----|--------|------|-------|
| MAST     | Kl. | Signal | Bez. | Auss. |
| Nr.      | Nr. |        |      | Kab.  |
| 5        | 1   | Rt     | K30a | 1     |
|          | 2   | Ge     | "    | 2     |
|          | 3   | Gn     | "    | 3     |
|          | 4   | N-LS   | "    | 4     |
|          | 5   | Rt     | K30b | 5     |
|          | 6   | Ge     | "    | 6     |
|          | 7   | Gn     | "    | 7     |
|          | 8   | N-LS   | "    | 8     |
|          | 9   |        |      | 9     |
|          | 10  |        |      | 10    |
|          | 11  |        |      | 11    |
|          | 12  |        |      | 12    |
|          | 13  |        |      | 13    |
|          | 14  |        |      | 14    |
|          | 15  |        |      | 15    |
| 6        | 16  | Rt     | K30c | 1     |
|          | 17  | Ge     | "    | 2     |
|          | 18  | Gn     | "    | 3     |
|          | 19  | N-LS   | "    | 4     |
|          | 20  |        |      | 5     |
|          | 21  |        |      | 6     |
|          | 22  |        |      | 7     |
|          | 23  |        |      | 8     |
|          | 24  |        |      | 9     |
|          | 25  |        |      | 10    |
|          | 26  |        |      | 11    |
|          | 27  |        |      | 12    |
|          | 28  |        |      | 13    |
|          | 29  |        |      | 14    |
|          | 30  |        |      | 15    |
| 7        | 31  | Rt     | K40a | 1     |
|          | 32  | Ge     | "    | 2     |
|          | 33  | Gn     | "    | 3     |
|          | 34  | N-LS   | "    | 4     |
|          | 35  | Rt     | Fd1  | 5     |
|          | 36  | Gn     | "    | 6     |
|          | 37  | N-LS   | "    | 7     |
|          | 38  |        |      | 8     |
|          | 39  |        |      | 9     |
|          | 40  |        |      | 10    |
|          | 41  |        |      | 11    |
|          | 42  |        |      | 12    |
|          | 43  |        |      | 13    |
|          | 44  |        |      | 14    |
|          | 45  |        |      | 15    |
| 8        | 46  | Rt     | K40b | 1     |
|          | 47  | Ge     | "    | 2     |
|          | 48  | Gn     | "    | 3     |
|          | 49  | N-LS   | "    | 4     |
|          | 50  | Rt     | Fd2  | 5     |
|          | 51  | Gn     | "    | 6     |
|          | 52  | N-LS   | "    | 7     |
|          | 53  |        |      | 8     |
|          | 54  |        |      | 9     |
|          | 55  |        |      | 10    |
|          | 56  |        |      | 11    |
|          | 57  |        |      | 12    |
|          | 58  |        |      | 13    |

|                                  |                          |                      |                                 |   |   |
|----------------------------------|--------------------------|----------------------|---------------------------------|---|---|
| original:<br>handling<br>version | Baumann<br>Esposito<br>1 | 23.07.07<br>09.11.07 | city:<br>position<br>EQ-Nr:     | Simanovce (Serbien)<br>Krnjasevacka street / Obrdovic's sokak street<br>2008339 |  |
| page name                        | terminal strip           |                      | <b>ACTROS</b><br>terminal strip |   |   |
| data file                        | 2008339neu.xls           |                      |                                 |   | page  |

| Pos. | of<br>BL/VL | Pin | Kabel<br>v.BL | Ader<br>Nr. | Klemme<br>Nr. | Brücke (=)   | Schreiber<br>Stecker Pin | Signal-<br>bezeichnung | Mast<br>Nr. | Ader<br>Nr. | Bemerkung |
|------|-------------|-----|---------------|-------------|---------------|--------------|--------------------------|------------------------|-------------|-------------|-----------|
| X3   | BL          | 01  | d02           | 1           | 1             |              |                          | K10a                   | 1           | 1           | Rt        |
| X3   | BL          | 01  | d06           | 1           | 4             | =KL 1/6      |                          | "                      | 1           | 2           | Ge        |
| X3   | BL          | 01  | b06           | 1           | 5             | =KL 1/7      |                          | "                      | 1           | 3           | Gn        |
|      |             |     |               |             | 4             | =N-Block     |                          | "                      | 1           | 4           | N-LS      |
| X3   | BL          | 01  | b02           | 1           | 2             |              |                          | K10b                   | 1           | 5           | Rt        |
|      |             |     | bridge        |             | 6             | =KL 1/17,1/2 |                          | "                      | 1           | 6           | Ge        |
|      |             |     | bridge        |             | 7             | =KL 1/18,1/3 |                          | "                      | 1           | 7           | Gn        |
|      |             |     |               |             | 8             | =N-Block     |                          | "                      | 1           | 8           | N-LS      |
| X3   | BL          | 01  | d26           | 1           | 19            |              |                          | Fa1                    | 1           | 9           | Rt        |
| X3   | BL          | 01  | z26           | 1           | 21            | =KL 1/21     |                          | "                      | 1           | 10          | Gn        |
|      |             |     |               |             | 11            | =N-Block     |                          | "                      | 1           | 11          | N-LS      |
|      |             |     |               |             | 12            |              |                          |                        | 1           | 12          |           |
|      |             |     |               |             | 13            |              |                          |                        | 1           | 13          |           |
|      |             |     |               |             | 14            |              |                          |                        | 1           | 14          |           |
|      |             |     |               |             | 15            |              |                          |                        | 1           | 15          |           |
| X3   | BL          | 01  | z02           | 1           | 3             |              |                          | K10c                   | 2           | 1           | Rt        |
|      |             |     | bridge        |             | 17            | =KL 1/6      |                          | "                      | 2           | 2           | Ge        |
|      |             |     | bridge        |             | 18            | =KL 1/7      |                          | "                      | 2           | 3           | Gn        |
|      |             |     |               |             | 19            | =N-Block     |                          | "                      | 2           | 4           | N-LS      |
| X3   | BL          | 01  | b26           | 1           | 20            |              |                          | Fa2                    | 2           | 5           | Rt        |
|      |             |     | bridge        |             | 21            | =KL 1/10     |                          | "                      | 2           | 6           | Gn        |
|      |             |     |               |             | 22            | =N-Block     |                          | "                      | 2           | 7           | N-LS      |
|      |             |     |               |             | 23            |              |                          |                        | 2           | 8           |           |
|      |             |     |               |             | 24            |              |                          |                        | 2           | 9           |           |
|      |             |     |               |             | 25            |              |                          |                        | 2           | 10          |           |
|      |             |     |               |             | 26            |              |                          |                        | 2           | 11          |           |
|      |             |     |               |             | 27            |              |                          |                        | 2           | 12          |           |
|      |             |     |               |             | 28            |              |                          |                        | 2           | 13          |           |
|      |             |     |               |             | 29            |              |                          |                        | 2           | 14          |           |
|      |             |     |               |             | 30            |              |                          |                        | 2           | 15          |           |
| X3   | BL          | 01  | z06           | 1           | 6             |              |                          | K20a                   | 3           | 1           | Rt        |
| X3   | BL          | 01  | b10           | 1           | 8             | =KL 1/47     |                          | "                      | 3           | 2           | Ge        |
| X3   | BL          | 01  | z10           | 1           | 9             | =KL 1/48     |                          | "                      | 3           | 3           | Gn        |
|      |             |     |               |             | 34            | =N-Block     |                          | "                      | 3           | 4           | N-LS      |
| X3   | BL          | 01  | d30           | 1           | 22            |              |                          | Fb1                    | 3           | 5           | Rt        |
| X3   | BL          | 01  | z30           | 1           | 24            | =KL 1/51     |                          | "                      | 3           | 6           | Gn        |
|      |             |     |               |             | 37            | =N-Block     |                          | "                      | 3           | 7           | N-LS      |
|      |             |     |               |             | 38            |              |                          |                        | 3           | 8           |           |
|      |             |     |               |             | 39            |              |                          |                        | 3           | 9           |           |
|      |             |     |               |             | 40            |              |                          |                        | 3           | 10          |           |
|      |             |     |               |             | 41            |              |                          |                        | 3           | 11          |           |
|      |             |     |               |             | 42            |              |                          |                        | 3           | 12          |           |
|      |             |     |               |             | 43            |              |                          |                        | 3           | 13          |           |
|      |             |     |               |             | 44            |              |                          |                        | 3           | 14          |           |
|      |             |     |               |             | 45            |              |                          |                        | 3           | 15          |           |
| X3   | BL          | 01  | d10           | 1           | 7             |              |                          | K20b                   | 4           | 1           | Rt        |
|      |             |     | bridge        |             | 47            | =KL 1/32     |                          | "                      | 4           | 2           | Ge        |
|      |             |     | bridge        |             | 48            | =KL 1/33     |                          | "                      | 4           | 3           | Gn        |
|      |             |     |               |             | 49            | =N-Block     |                          | "                      | 4           | 4           | N-LS      |
| X3   | BL          | 01  | b30           | 1           | 23            |              |                          | Fb2                    | 4           | 5           | Rt        |
|      |             |     | bridge        |             | 51            | =KL 1/36     |                          | "                      | 4           | 6           | Gn        |
|      |             |     |               |             | 52            | =N-Block     |                          | "                      | 4           | 7           | N-LS      |
|      |             |     |               |             | 53            |              |                          |                        | 4           | 8           |           |
|      |             |     |               |             | 54            |              |                          |                        | 4           | 9           |           |
|      |             |     |               |             | 55            |              |                          |                        | 4           | 10          |           |
|      |             |     |               |             | 56            |              |                          |                        | 4           | 11          |           |
|      |             |     |               |             | 57            |              |                          |                        | 4           | 12          |           |
|      |             |     |               |             | 58            |              |                          |                        | 4           | 13          |           |
| X5   | Trafo-KL    |     | 8 sw          | 0,75        | 59            |              |                          | test voltage           |             |             | L-LS      |

| Rack | of<br>BL/VL | Pin | Kabel<br>Nr. | Ader<br>Nr. | Klemme<br>Nr. | Brücke (=) | Schreiber<br>Stecker Pin | Signal-<br>bezeichnung | Mast<br>Nr. | Ader<br>Nr. | Bemerkung |
|------|-------------|-----|--------------|-------------|---------------|------------|--------------------------|------------------------|-------------|-------------|-----------|
| X3   | BL          | 01  | d14          | 1           | 10            | 1          |                          | K30a                   | 5           | 1           | Rt        |
| X3   | BL          | 01  | d18          | 1           | 13            | 2          | =KL 2/6                  | "                      | 5           | 2           | Ge        |
| X3   | BL          | 01  | b18          | 1           | 14            | 3          | =KL 2/7                  | "                      | 5           | 3           | Gn        |
|      |             |     |              |             |               | 4          | =N-Block                 | "                      | 5           | 4           | N-LS      |
| X3   | BL          | 01  | b14          | 1           | 11            | 5          |                          | K30b                   | 5           | 5           | Rt        |
|      |             |     | bridge       |             |               | 6          | =KL 2/17,2/2             | "                      | 5           | 6           | Ge        |
|      |             |     | bridge       |             |               | 7          | =KL 2/18,2/3             | "                      | 5           | 7           | Gn        |
|      |             |     |              |             |               | 8          | =N-Block                 | "                      | 5           | 8           | N-LS      |
|      |             |     |              |             |               | 9          |                          |                        | 5           | 9           |           |
|      |             |     |              |             |               | 10         |                          |                        | 5           | 10          |           |
|      |             |     |              |             |               | 11         |                          |                        | 5           | 11          |           |
|      |             |     |              |             |               | 12         |                          |                        | 5           | 12          |           |
|      |             |     |              |             |               | 13         |                          |                        | 5           | 13          |           |
|      |             |     |              |             |               | 14         |                          |                        | 5           | 14          |           |
|      |             |     |              |             |               | 15         |                          |                        | 5           | 15          |           |
| X3   | BL          | 01  | z14          | 1           | 12            | 16         |                          | K30c                   | 6           | 1           | Rt        |
|      |             |     | bridge       |             |               | 17         | =KL 2/6                  | "                      | 6           | 2           | Ge        |
|      |             |     | bridge       |             |               | 18         | =KL 2/7                  | "                      | 6           | 3           | Gn        |
|      |             |     |              |             |               | 19         | =N-Block                 | "                      | 6           | 4           | N-LS      |
|      |             |     |              |             |               | 20         |                          |                        | 6           | 5           |           |
|      |             |     |              |             |               | 21         |                          |                        | 6           | 6           |           |
|      |             |     |              |             |               | 22         |                          |                        | 6           | 7           |           |
|      |             |     |              |             |               | 23         |                          |                        | 6           | 8           |           |
|      |             |     |              |             |               | 24         |                          |                        | 6           | 9           |           |
|      |             |     |              |             |               | 25         |                          |                        | 6           | 10          |           |
|      |             |     |              |             |               | 26         |                          |                        | 6           | 11          |           |
|      |             |     |              |             |               | 27         |                          |                        | 6           | 12          |           |
|      |             |     |              |             |               | 28         |                          |                        | 6           | 13          |           |
|      |             |     |              |             |               | 29         |                          |                        | 6           | 14          |           |
|      |             |     |              |             |               | 30         |                          |                        | 6           | 15          |           |
| X3   | BL          | 01  | z18          | 1           | 15            | 31         |                          | K40a                   | 7           | 1           | Rt        |
| X3   | BL          | 01  | b22          | 1           | 17            | 32         | =KL 2/47                 | "                      | 7           | 2           | Ge        |
| X3   | BL          | 01  | z22          | 1           | 18            | 33         | =KL 2/48                 | "                      | 7           | 3           | Gn        |
|      |             |     |              |             |               | 34         | =N-Block                 | "                      | 7           | 4           | N-LS      |
| X3   | BL          | 02  | d02          | 2           | 1             | 35         |                          | Fd1                    | 7           | 5           | Rt        |
| X3   | BL          | 02  | z02          | 2           | 3             | 36         | =KL 2/51                 | "                      | 7           | 6           | Gn        |
|      |             |     |              |             |               | 37         | =N-Block                 | "                      | 7           | 7           | N-LS      |
|      |             |     |              |             |               | 38         |                          |                        | 7           | 8           |           |
|      |             |     |              |             |               | 39         |                          |                        | 7           | 9           |           |
|      |             |     |              |             |               | 40         |                          |                        | 7           | 10          |           |
|      |             |     |              |             |               | 41         |                          |                        | 7           | 11          |           |
|      |             |     |              |             |               | 42         |                          |                        | 7           | 12          |           |
|      |             |     |              |             |               | 43         |                          |                        | 7           | 13          |           |
|      |             |     |              |             |               | 44         |                          |                        | 7           | 14          |           |
|      |             |     |              |             |               | 45         |                          |                        | 7           | 15          |           |
| X3   | BL          | 01  | d22          | 1           | 16            | 46         |                          | K40b                   | 8           | 1           | Rt        |
|      |             |     | bridge       |             |               | 47         | =KL 2/32                 | "                      | 8           | 2           | Ge        |
|      |             |     | bridge       |             |               | 48         | =KL 2/33                 | "                      | 8           | 3           | Gn        |
|      |             |     |              |             |               | 49         | =N-Block                 | "                      | 8           | 4           | N-LS      |
| X3   | BL          | 02  | b02          | 2           | 2             | 50         |                          | Fd2                    | 8           | 5           | Rt        |
|      |             |     | bridge       |             |               | 51         | =KL 2/36                 | "                      | 8           | 6           | Gn        |
|      |             |     |              |             |               | 52         | =N-Block                 | "                      | 8           | 7           | N-LS      |
|      |             |     |              |             |               | 53         |                          |                        | 8           | 8           |           |
|      |             |     |              |             |               | 54         |                          |                        | 8           | 9           |           |
|      |             |     |              |             |               | 55         |                          |                        | 8           | 10          |           |
|      |             |     |              |             |               | 56         |                          |                        | 8           | 11          |           |
|      |             |     |              |             |               | 57         |                          |                        | 8           | 12          |           |
|      |             |     |              |             |               | 58         |                          |                        | 8           | 13          |           |

|                                 |  |   |
|---------------------------------|--|---|
| original: Baumann 23.07.07      | city: Simanovce (Serbien)                              |  |
| handling Esposito 09.11.07      | position Krnjasevacka street / Obrdovic's sokak street |   |
| version 1                       | EQ-Nr: 2008339   |   |
| page name pressure clamp wiring | <b>ACTROS</b>  | page 2 of 2   |
| data file 2008339neu.xls        | pressure clamp wiring<br>Leiste 2                      |   |


# 40V-LED

|   |     |   |
|---|-----|---|
| N | A   | C |
| K | S   | P |
| K | K   | U |
|   |     | - |
|   |     | 0 |
|   |     | 2 |
|   |     | 0 |
| N | C   | L |
| T | P   | S |
|   | U   |   |
| 2 |     | 2 |
| 4 | V55 | 0 |
|   |     | 0 |
| V |     | 0 |

| BL01     |            |             |            |            | BL02     |            |             |            |            | BL03     |           |           |           |           | BL04     |           |           |           |           |  |
|----------|------------|-------------|------------|------------|----------|------------|-------------|------------|------------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|--|
| SK-24    |            |             |            |            | SK-24    |            |             |            |            | IO-24    |           |           |           |           |          |           |           |           |           |  |
| Kan. Nr. | Sign. Bez. | Sign. Farbe | Sign. Grp. | Lmp. Lstg. | Kan. Nr. | Sign. Bez. | Sign. Farbe | Sign. Grp. | Lmp. Lstg. | Kan. Nr. | Mid. Bez. | Mid. Bez. | Mid. Bez. | Mid. Bez. | Kan. Nr. | Mid. Bez. | Mid. Bez. | Mid. Bez. | Mid. Bez. |  |
| 1        | K10a       | Rt          | 1          | LED        | 1        | Fd1        | Rt          | 7          | LED        | 1        |           |           |           |           |          |           |           |           |           |  |
| 2        | K10b       | Rt          | 1          | LED        | 2        | Fd2        | Rt          | 7          | LED        | 2        |           |           |           |           |          |           |           |           |           |  |
| 3        | K10c       | Rt          | 1          | LED        | 3        | Fd1        | Gn          | 7          | LED        | 3        |           |           |           |           |          |           |           |           |           |  |
| 4        | K10a       | Ge          | 1          | LED        | 4        |            |             |            |            | 4        |           |           |           |           |          |           |           |           |           |  |
| 5        | K10a       | Gn          | 1          | LED        | 5        |            |             |            |            | 5        |           |           |           |           |          |           |           |           |           |  |
| 6        | K20a       | Rt          | 2          | LED        | 6        |            |             |            |            | 6        |           |           |           |           |          |           |           |           |           |  |
| 7        | K20b       | Rt          | 2          | LED        | 7        |            |             |            |            | 7        |           |           |           |           |          |           |           |           |           |  |
| 8        | K20a       | Ge          | 2          | LED        | 8        |            |             |            |            | 8        |           |           |           |           |          |           |           |           |           |  |
| 9        | K20a       | Gn          | 2          | LED        | 9        |            |             |            |            | 9        |           |           |           |           |          |           |           |           |           |  |
| 10       | K30a       | Rt          | 3          | LED        | 10       |            |             |            |            | 10       |           |           |           |           |          |           |           |           |           |  |
| 11       | K30b       | Rt          | 3          | LED        | 11       |            |             |            |            | 11       |           |           |           |           |          |           |           |           |           |  |
| 12       | K30c       | Rt          | 3          | LED        | 12       |            |             |            |            | 12       |           |           |           |           |          |           |           |           |           |  |
| 13       | K30a       | Ge          | 3          | LED        | 13       |            |             |            |            | 13       |           |           |           |           |          |           |           |           |           |  |
| 14       | K30a       | Gn          | 3          | LED        | 14       |            |             |            |            | 14       |           |           |           |           |          |           |           |           |           |  |
| 15       | K40a       | Rt          | 4          | LED        | 15       |            |             |            |            | 15       |           |           |           |           |          |           |           |           |           |  |
| 16       | K40b       | Rt          | 4          | LED        | 16       |            |             |            |            | 16       |           |           |           |           |          |           |           |           |           |  |
| 17       | K40a       | Ge          | 4          | LED        | 17       |            |             |            |            | 17       |           |           |           |           |          |           |           |           |           |  |
| 18       | K40b       | Gn          | 4          | LED        | 18       |            |             |            |            | 18       |           |           |           |           |          |           |           |           |           |  |
| 19       | Fa1        | Rt          | 5          | LED        | 19       |            |             |            |            | 19       |           |           |           |           |          |           |           |           |           |  |
| 20       | Fa2        | Rt          | 5          | LED        | 20       |            |             |            |            | 20       |           |           |           |           |          |           |           |           |           |  |
| 21       | Fa1        | Gn          | 5          | LED        | 21       |            |             |            |            | 21       |           |           |           |           |          |           |           |           |           |  |
| 22       | Fb1        | Rt          | 6          | LED        | 22       |            |             |            |            | 22       |           |           |           |           |          |           |           |           |           |  |
| 23       | Fb2        | Rt          | 6          | LED        | 23       |            |             |            |            | 23       |           |           |           |           |          |           |           |           |           |  |
| 24       | Fb1        | Gn          | 6          | LED        | 24       |            |             |            |            | 24       |           |           |           |           |          |           |           |           |           |  |

| Legend |                      |
|--------|----------------------|
| 0000   | Nur Meldung          |
| 00FF   | Sign.1               |
| 0FFF   | Sign.1 od.2          |
| 000F   | Sign.1 und 2         |
| 3FFF   | Sign.1 od.2 od.3     |
| 03FF   | Sign.1 od.(2+3)      |
| 111F   | Sign.(1+2) od. (3+4) |
| 333F   | Sign.3 od. (1+2)     |
| 57FF   | Sign.1od. 4od.(2+3)  |


| dissabling codes |      |      |      |      |      |      |      |   |   |    |    |    |    |    |    |    |    |    |    |
|------------------|------|------|------|------|------|------|------|---|---|----|----|----|----|----|----|----|----|----|----|
| Grp.             | 1    | 2    | 3    | 4    | 5    | 6    | 7    | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| Code             | 00FF | 00FF | 00FF | 00FF | 00FF | 00FF | 00FF |   |   |    |    |    |    |    |    |    |    |    |    |

|                              |  |   |
|------------------------------|--|---|
| original: Baumann 23.07.07   | city: Simanovce (Serbien)                              |  |
| Bearbeiter Esposito 09.11.07 | position Krnjasevacka street / Obrdovic's sokak street |   |
| version 1                    | EQ-Nr: 2008339   |   |
| page name seizure EA         | <b>ACTROS</b><br>seizure EA                            | Blatt: 1 of 1   |
| data file 2008339neu.xls     |  |   |






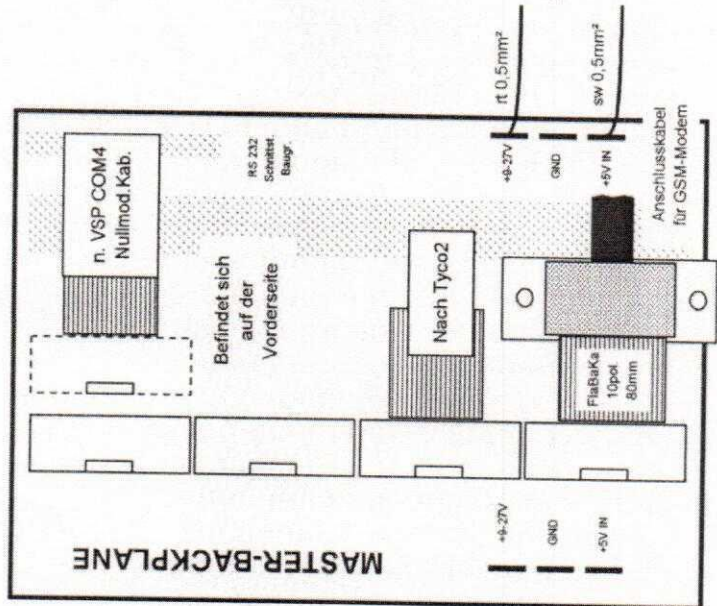
| 1. IO-24 BL.03 |     |               |          |
|----------------|-----|---------------|----------|
| Can.           | Pin | Pot. /<br>at: | Funktion |
| 1              | d02 | b02           |          |
| 2              | z02 |               |          |
| 3              | d04 |               |          |
| 4              | z04 |               |          |
| 5              | d06 | b06           |          |
| 6              | z06 |               |          |
| 7              | d08 |               |          |
| 8              | z08 |               |          |
| 9              | d12 | b12           |          |
| 10             | z12 |               |          |
| 11             | d14 |               |          |
| 12             | z14 |               |          |
| 13             | d18 | b18           |          |
| 14             | z18 |               |          |
| 15             | d20 |               |          |
| 16             | z20 |               |          |
| 17             | d24 | b24           |          |
| 18             | z24 |               |          |
| 19             | d26 |               |          |
| 20             | z26 |               |          |
| 21             | d30 | b30           |          |
| 22             | z30 |               |          |
| 23             | d32 |               |          |
| 24             | z32 |               |          |

|                |                |          |                             |   |   |
|----------------|----------------|----------|-----------------------------|---|---|
| Vorlage/Stand: | Baumann        | 23.07.07 | Stadt:                      | Simanovce (Serbien)                           |  |
| Bearbeiter     | Esposito       | 09.11.07 | Anl.Nr.:                    |   |   |
| Version:       | 1              |          | Standort:                   | Krnjasevacka street / Obrdovic's sokak street |   |
|                |                |          | EQ-Nr.:                     | 2008339                                       |   |
| Blattname:     | seizure IO     |          | <b>ACTROS</b><br>seizure IO |   | Blatt: 1 von 1  |
| Datei:         | 2008339neu.xls |          |                             |   |   |

| Draht  | Ø mm.          | Rack     | Leiste      | Pin   | Anschl. | Rack              | Leiste                  | Pin           | Anschl. | Funktion             |          |
|--|----------------|----------|-------------|---|---------|-------------------|-------------------------|---------------|---------|----------------------|----------|
| <b>5V-Versorgung (System-NT)</b>   |                |          |             |   |         |                   |                         |               |         |                      |          |
| bl   | 1,5            | X2       | BL00        | z28   | 6,3     | X4                | J218/2                  | NF            | /       | 5V-NT-Vers.          | NF       |
| sw   | 1,5            | X2       | BL00        | d30   | 6,3     | X3                | VL001                   | 02            | x       | 5V-NT-Vers.          | L-S      |
| gn/ge  | 2,5            | X2       | BL00        | z32   | 6,3     | X2.03             | PE-Bolzen               |               | /       | 5V-NT-Vers.          | PE       |
| bn   | 0,75           | X2       | BL00        | z04   | 6,3     | X2                | BL00                    | z08           | 6,3     | Fühler +5V           |          |
| bl   | 0,75           | X2       | BL00        | d06   | 6,3     | X2                | BL00                    | d10           | 6,3     | Fühler GND(+5V)      |          |
| bn   | 2,5            | X2       | BL00        | z12   | 6,3     | X4                | J220/1                  |               | /       | BP4-Vers.            | +5V      |
| bl   | 2,5            | X2       | BL00        | d14   | 6,3     | X4                | J220/2                  |               | /       | BP4-Vers.            | GND(5V)  |
| <b>24V-Versorgung (System-NT)</b>  |                |          |             |   |         |                   |                         |               |         |                      |          |
| bl   | 1,5            | X3       | BL00        | z28   | 6,3     | X4                | J218/2                  | NF            | /       | 24V-NT-Vers.         | NF       |
| sw   | 1,5            | X3       | BL00        | d30   | 6,3     | X3                | VL001                   | 04            | x       | 24V-NT-Vers.         | L-S      |
| gn/ge  | 2,5            | X3       | BL00        | z32   | 6,3     | X2.03             | PE-Bolzen               |               | /       | 24V-NT-Vers.         | PE       |
| rt   | 0,75           | X3       | BL00        | d06   | 6,3     | X3                | BL00                    | d10           | 6,3     | Fühler +24V          |          |
| bl   | 0,75           | X3       | BL00        | z08   | 6,3     | X3                | BL00                    | z04           | 6,3     | Fühler GND(+24V)     |          |
| rt   | 2,5            | X3       | BL00        | z12   | 6,3     | X4                | J219/1                  |               | /       | BP4-Vers.            | +24V     |
| bl   | 2,5            | X3       | BL00        | d14   | 6,3     | X4                | J219/2                  |               | /       | BP4-Vers.            | GND(24V) |
| Cu-Band  | 6              | X2       | PE-Schiene  |   | /       | X2                | Rack-Seitenblech, innen |               |         | Rack-Erdung          |          |
| <b>BDI-Verdrahtung für Ausführung "Rackmontage"</b>                                |                |          |             |   |         |                   |                         |               |         |                      |          |
| <b>(Originalkabel verwenden!)</b>  |                |          |             |   |         |                   |                         |               |         |                      |          |
| FLABAKA 10pol  |                | X7       | SUB-D St.   | 9 pol.  |         | X2                | SUB-D St.               | 9 pol.        |         | Datenkabel BDI-2     |          |
| bn   | 0,75           | X2       | J45/3       |   | /       | X2                | NA-Taste                | Kl.1          | /       | LF Not-Aus           |          |
| bl   | 0,75           | Rückw.   | Pot.Schiene |   | /       | X2                | NA-Taste                | Kl.4          | /       | NF Not-Aus           |          |
| gn/ge  | 0,75           | Rückw.   | Pot.Schiene |   | /       | BDI-Schwenkplatte |                         | Kab.Sch.      |         | PE an Schwenkplatte. |          |
| <b>Versorgung vom 1.Sicherungsaufmat auf der ASK für Det./KSR/OCIT/L-Anf. usw.</b> |                |          |             |   |         |                   |                         |               |         |                      |          |
| sw   | 1,5            | X4       | J217/1      | LS  | /       | X3                | VL001                   | 32            | x       | LS an VL             | L-S      |
| sw   | 1,5            | X4       | LS1-E       |   | /       | X4                | LF                      |               | /       |                      |          |
| original:  | Baumann        | 23.07.07 | city:       | Simanovce (Serbien)                           |         |                   |                         |               |         |                      |          |
| Bearbeiter   | Esposito       | 09.11.07 | position    | Krnjasevacka street / Obrdovic's sokak street |         |                   |                         |               |         |                      |          |
| version  | 1              |          | EQ-Nr.      | 2008339                                       |         |                   |                         |               |         |                      |          |
| page name  | basic wiring   |          |             | <b>ACTROS</b>                                 |         |                   |                         | Blatt: 1 of 1 |         |                      |          |
| data file  | 2008339neu.xls |          |             |   |         |                   |                         |               |         |                      |          |

| Buchsenl.<br>board-<br>name |  |  |  |  |  |  |  |  |  | OCIT           | OCIT                        | Frontplatte |
|-----------------------------|--|--|--|--|--|--|--|--|--|----------------|-----------------------------|-------------|
|                             |  |  |  |  |  |  |  |  |  | OCIT<br>LS2000 | OCIT<br>Schalter<br>Ein-Aus |             |
| pitch                       |  |  |  |  |  |  |  |  |  | 7              |                             | 4           |


|                                 |                          |                        |                             |   |                                       |  |
|---------------------------------|--------------------------|------------------------|-----------------------------|---|---------------------------------------|--|
| original:<br>handing<br>version | Baumann<br>Esposito<br>1 | 23.07.07<br>09.11.2007 | city:<br>position<br>EO-Nr. | Simanovce (Serbien)<br>Krnjasevacka street / Obrdovic's sokak street<br>2008339 | <b>ACTROS</b><br>allocation scheme XX |  <b>Signalbau Huber</b> |
| data file                       | 2008339neu.xls           |                        | page name                   | allocation scheme XX  |                                       | page<br>1 of 1   |



Das GSM-Modem ist auf der Rückwand zu montieren !!!

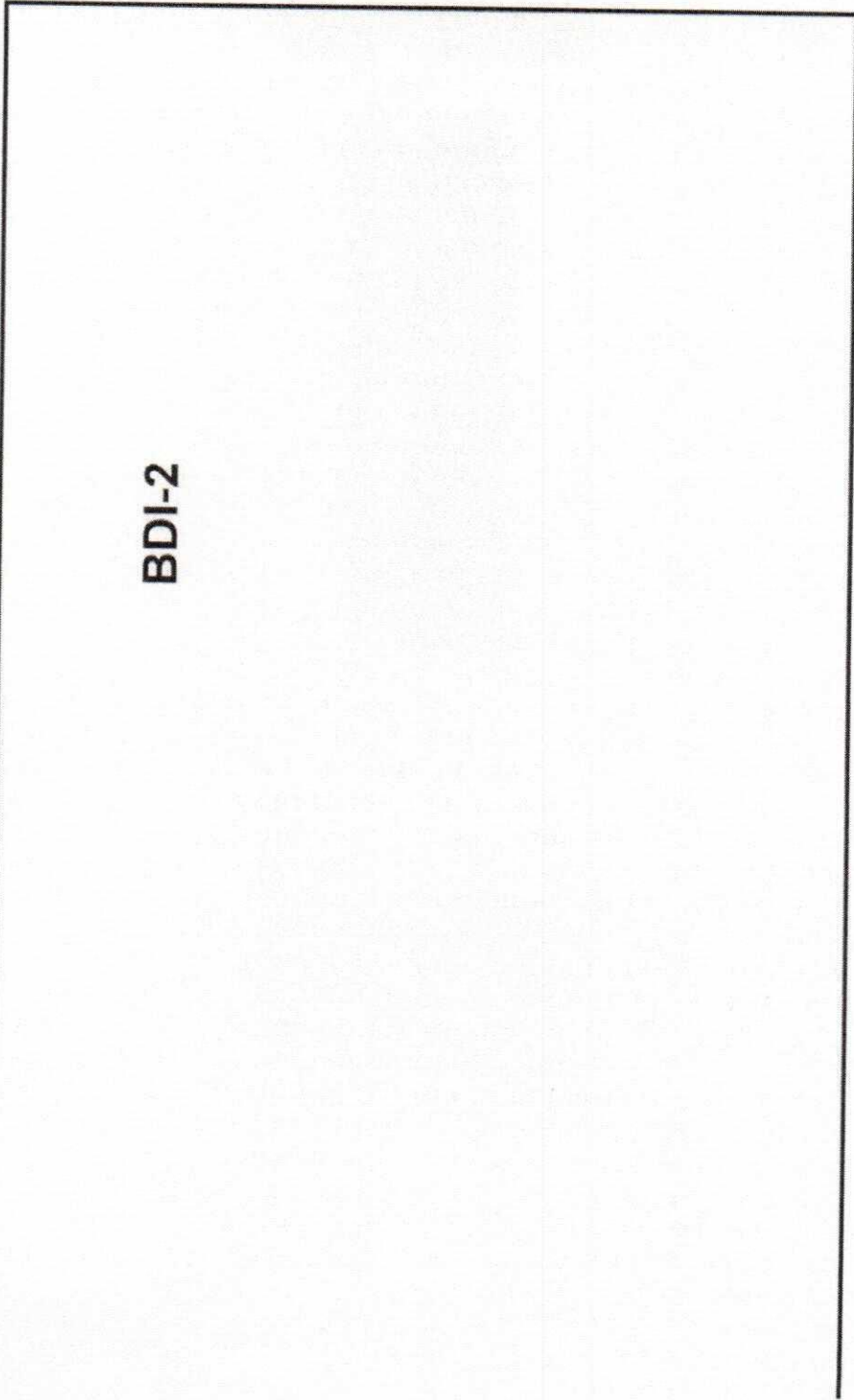
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|--------------------|------------------|-----------------|---|---|--------------------------------|
| original:          | Baumann 23.07.07 | city:           | Simanovce (Serbien)                                   | <b>ACTROS</b><br>contact arrangement Rack XX<br>Rückansicht | Sigrasbay Huber<br>page 1 of 1 |
| Bearbeiter version | Esposito 1       | position EQ-Nr. | Krnjasevacka street / Obrdovic's sokak street 2008339 |   |                                |
| data file          | 2008339neu.xl    | page name       | contact arrangement Rack XX                           |   |                                |

|                           |                 |       |  |
|---------------------------|-----------------|-------|--|
| Buchsenl.                 | BL 00 15pol.    | BDI-2 |  |
| Karten-<br>baugruppe      | NT 5V<br>System |       |  |
| Schleifen-<br>Bezeichnung |                 |       |  |
| benöt. TE                 | 10              | 37    |  |

|   |                          |                                 |  |   |
|---|--------------------------|---------------------------------|--|---|
| Vorlage/Stand:<br>Bearbeitet:<br>Version:   | Baumann<br>Esposito<br>1 | 23.07.07<br>09.11.07            | Stadt:<br>Anl.Nr.:<br>Standort:<br>EQ-Nr.: | Simanovce (Serbien)<br><br>Krnjasevacka street / Obrdovic's sokak street<br>2008339 |
| Datei:  | 2008339neu.xls           | Blattname: allocation scheme X7 |  |   |
| <b>ACTROS</b>   |                          |                                 |  | allocation scheme X7<br>Frontansicht  |
|  |                          |                                 |  |   |
|   |                          |                                 |  | Seite: 1 von 1  |

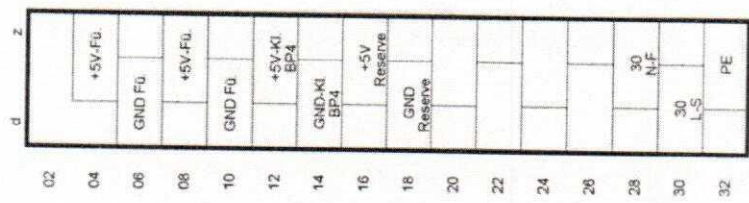


TE | 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 09 | 08 | 07 | 06 | 05 | 04 | 03 | 02 | 01 | TE



**BDI-2**

BL 00



5V-NT System

|                |                |          |            |   |
|----------------|----------------|----------|------------|---|
| Vorlage/Stand: | Baumann        | 23.07.07 | Stadt:     | Simanovce (Serbien)                           |
| Bearbeiter     | Esposito       | 09.11.07 | Anl.Nr.:   |   |
| Version:       | 1              |          | Standort:  | Krnjasevacka street / Obrdovic's sokak street |
|                |                |          | EQ-Nr.:    | 2008339                                       |
| Datei:         | 2008339neu.xls |          | Blattname: | contact arrangement Rack X7                   |

**ACTROS**  
contact arrangement Rack X7

Rückansicht



|           |              |              |              |
|-----------|--------------|--------------|--------------|
| Buchsenl. | BL 01 15pol. | BL 03 48pol. | BL 04 48pol. |
| board-    | NT 24V       | Detektor     | Detektor     |
| name      | Brandner     | 4Kanal/24V   | 4Kanal/24V   |
|           |              | Res.         | Res.         |
|           |              | Res.         | Res.         |
|           |              | Res.         | Res.         |
| pitch     | 7            | 5            | 5            |

interface area

original: Baumann  
 handling Esposito  
 version 1

23.07.07  
 09.11.2007

city: Simanovce (Serbien)

position Krnjasevacka street / Obrdovic's sokak street  
 EQ-Nr: 2008339

page name allocation scheme X2

2008339neu.xls

**ACTROS**  
 allocation scheme X2







TE 42 | 41 | 40 | 39 | 38 | 37 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 28 | 27 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 09 | 08 | 07 | 06 | 05 | 04 | 03 | 02 | 01 | TE

BL 02 VL VL  
02 01

| d   | b    | z  | SL   | BL01 | BL02 | BL03 | BL04 | BL05 | BL06 | BL07 | BL08 | BL09 | BL10 | BL11 | BL12 | BL13 | BL14 | BL15 | BL16 | BL17 | BL18 | BL19 | BL20 | BL21 | BL22 | BL23 | BL24 | BL25 | BL26 | BL27 | BL28 | BL29 | BL30 | BL31 | BL32 |
|-----|------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| SL  | 2    |    | SL   | 1    | 12   | 08   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SL  | 4    |    | SL   | 3    | 432  | Z32  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SL  | 2    |    | SL   | 1    | 432  | Z32  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SL  | 4    |    | SL   | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| X2  | VL02 | FE | VL01 | 10   | 04   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| GND |      |    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

BL 01

| d   | b    | z  | SL   | BL01 | BL02 | BL03 | BL04 | BL05 | BL06 | BL07 | BL08 | BL09 | BL10 | BL11 | BL12 | BL13 | BL14 | BL15 | BL16 | BL17 | BL18 | BL19 | BL20 | BL21 | BL22 | BL23 | BL24 | BL25 | BL26 | BL27 | BL28 | BL29 | BL30 | BL31 | BL32 |  |
|-----|------|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| SL  | 2    |    | SL   | 1    | 12   | 08   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| SL  | 4    |    | SL   | 3    | 432  | Z32  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| SL  | 2    |    | SL   | 1    | 432  | Z32  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| SL  | 4    |    | SL   | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| X2  | VL02 | FE | VL01 | 10   | 04   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
| GND |      |    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |

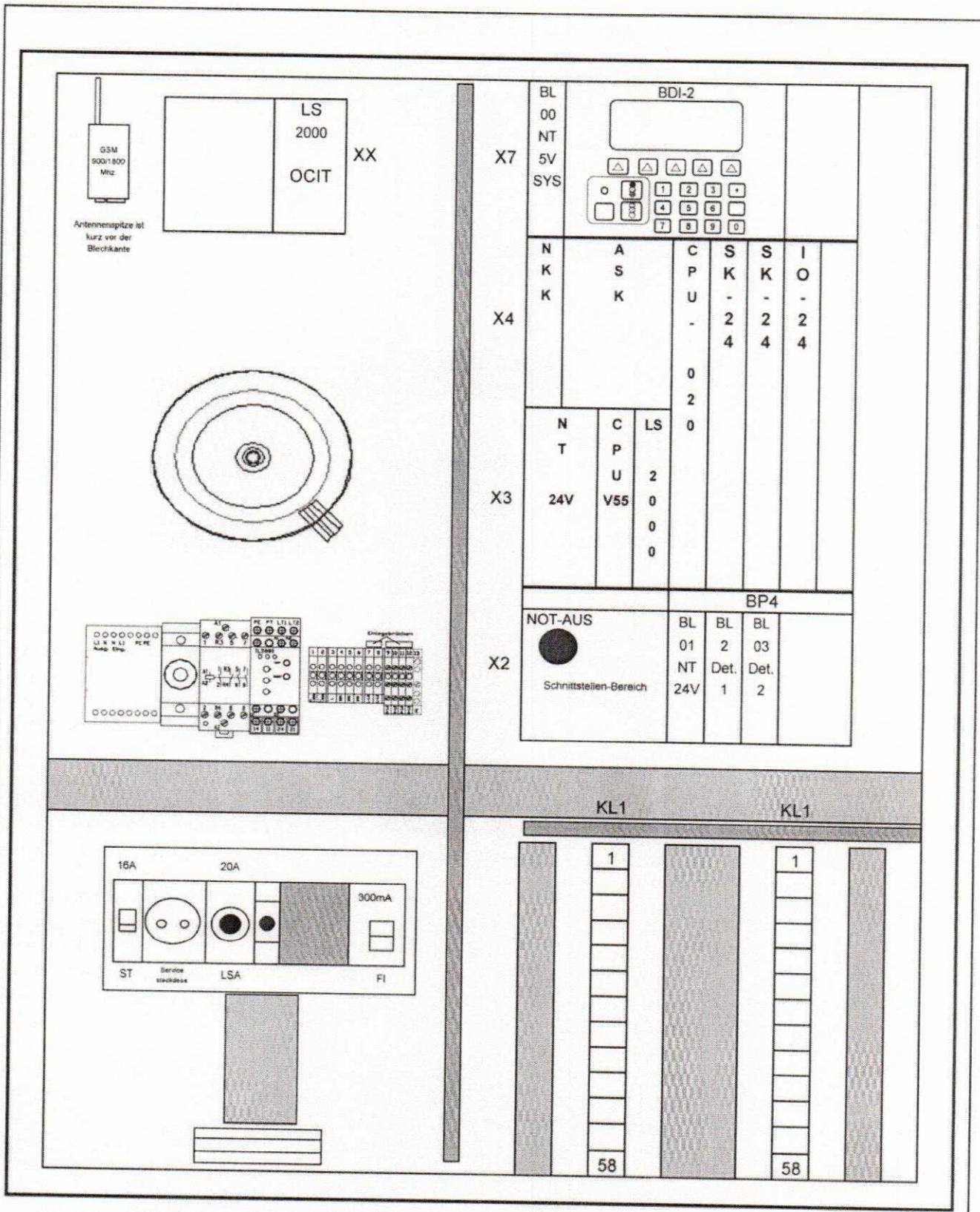
Det 1 GND +24V

Brandner 24V

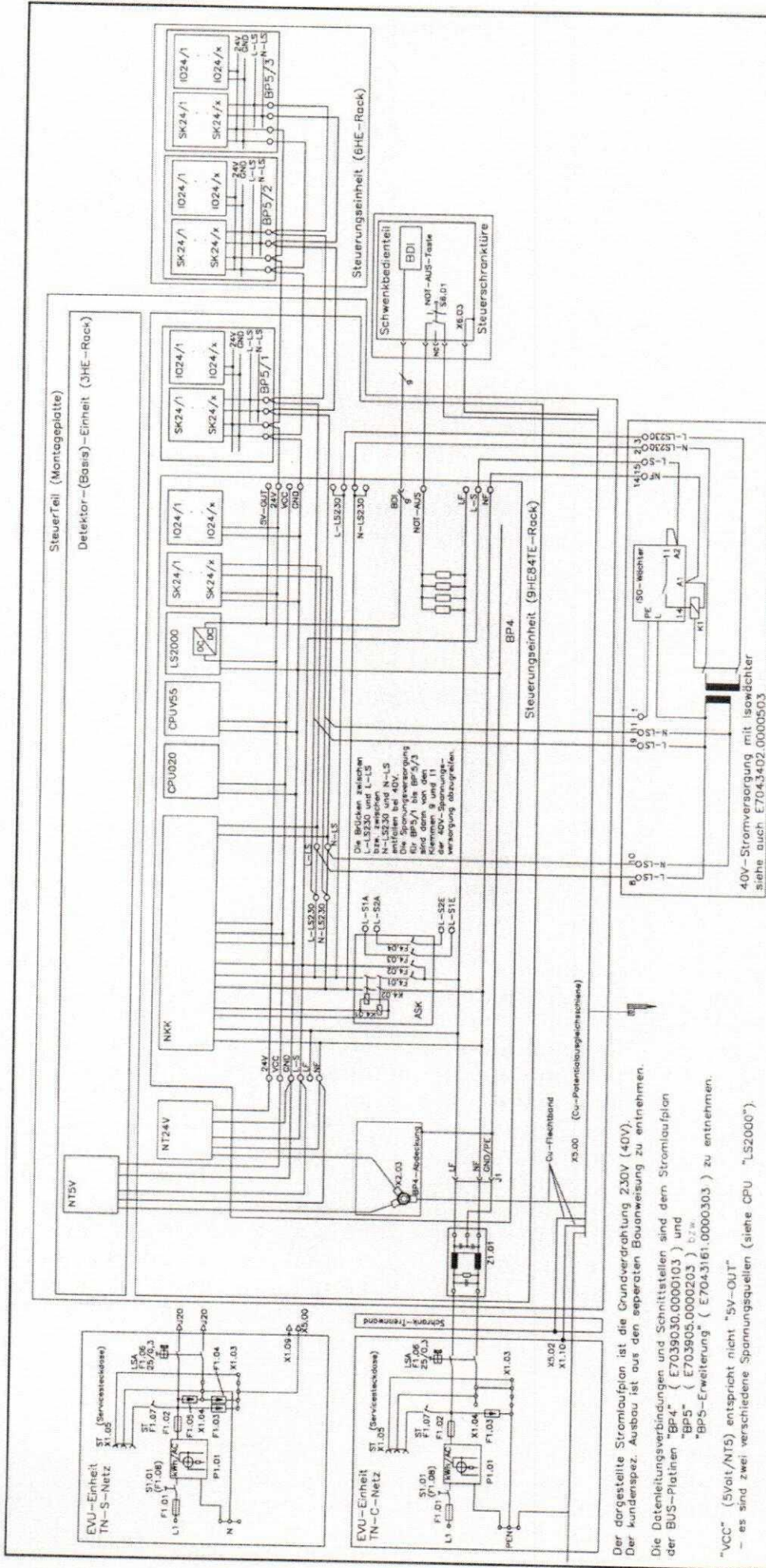
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| original:<br>Bearbeiter<br>version | Baumann<br>Esposito<br>1 | 23.07.07<br>39395 | city:<br>position<br>EQ-Nr.: | Simanovce (Serbien)<br>Krnjasevacka street / Obrdovic's sokak street<br>2008339 | contact arrangement Rack X2 | Signalbau Huber |
| data file                          | 2008339                  |                   | page name                    | contact arrangement Rack X2   |                             |                 |
|                                    |                          |                   |                              |   |                             | page 2 of 2     |

| Draht  | Ø mm.          | Rack     | Leiste      | Pin   | Anschl. | Rack | Leiste             | Pin | Anschl. | Funktion           |
|--|----------------|----------|-------------|---|---------|------|--------------------|-----|---------|--------------------|
| <b>Verdrahtung 40V-Transformator-Einheit (interne Verdrahtung)</b> |                |          |             |   |         |      |                    |     |         |                    |
| sw   | 4              | X5       | Klemme      | 7(o)  | /       | X5   | Sicherung F1 Ausg. |     | /       | L-LS               |
| sw   | 1,5            | X5       | Klemme      | 2(o)  | /       | X5   | Str.Begr. Eing.L1  |     | /       | L-LS230            |
| bl   | 1,5            | X5       | Klemme      | 1(o)  | /       | X5   | Str.Begr. Eing.N1  |     | /       | N-LS230            |
| gn/ge  | 1,5            | X5       | Klemme      | 13(o)   | /       | X5   | Str.Begr. Eing.PE  |     | /       | PE                 |
| bn   | 1,5            | X5       | Klemme      | 3(u)  | /       | X5   | Klemme 5(u)        |     | /       | L-LS230            |
| bn   | 1,5            | X5       | Klemme      | 3(o)  | /       | X5   | Schütz-K1 KL.03    |     | /       | L-LS230            |
| bn   | 1,5            | X5       | Str.Begr.   | Ausg.L1                                       | /       | X5   | Schütz-K1 KL.04    |     | /       | L-LS230            |
| bl   | 1,5            | X5       | Str.Begr.   | Ausg.N1                                       | /       | X5   | Schütz-K1 KL.06    |     | /       | N                  |
| gn/ge  | 1,5            | X5       | Klemme      | 13(o)   | /       | X5   | Isowächter KL.PE   |     | /       | PE                 |
| sw   | 0,75           | X5       | Klemme      | 8(o)  | /       | X5   | Isowächter KL.L    |     | /       | L-LS               |
| bl   | 0,75           | X2       | KL. - J02   | NF  | /       | X5   | Isowächter KLA1    |     | /       | NF                 |
| bl   | 0,75           | X5       | Schütz-K1   | KL.A1   | /       | X5   | Isowächter KLA1    |     | /       | L-S                |
| sw   | 0,75           | X5       | Schütz-K1   | KL.A2   | /       | X5   | Isowächter KL.14   |     | /       | L-S                |
| sw   | 0,75           | X2       | KL. - J04   | L-S   | /       | X5   | Isowächter KL.A2   |     | /       | L-S                |
| sw   | 0,75           | X5       | Isowächter  | A2  | /       | X5   | Isowächter KL.11   |     | /       | L-LS               |
| Kammbrücke   |                | X5       | Klemme      | 7(o)  | /       | X5   | Klemme 8(o)        |     | /       | L-LS Brücke        |
| Kammbrücke   |                | X5       | Klemme      | 9(o)  | /       | X5   | Klemme 10(o)       |     | /       | N-LS Brücke        |
| Kammbrücke   |                | X5       | Klemme      | 10(o)   | /       | X5   | Klemme 11(o)       |     | /       | N-LS Brücke        |
| Kammbrücke   |                | X5       | Klemme      | 11(o)   | /       | X5   | Klemme 12(o)       |     | /       | L-LS Brücke        |
| bl   | 1,5            | X5       | Trafo prim. | bl  | /       | X5   | Schütz-K1 KL.05    |     | /       | N-LS230            |
| rt   | 1,5            | X5       | Trafo prim. | rt  | /       | X5   | Klemme 4(o)        |     | /       | 220                |
| bn   | 1,5            | X5       | Trafo prim. | bn  | /       | X5   | Klemme 5(o)        |     | /       | 230                |
| sw   | 1,5            | X5       | Trafo prim. | sw  | /       | X5   | Klemme 6(o)        |     | /       | 240                |
| sw   | 4              | X5       | Trafo sek.  | sw  | /       | X5   | Sicherung F1 Eing. |     | /       | L-LS               |
| sw   | 4              | X5       | Trafo sek.  | sw  | /       | X5   | Klemme 12(o)       |     | /       | N-LS               |
| <b>Verdrahtung von Zusätzlichen 24V NT für Detektoren</b>          |                |          |             |   |         |      |                    |     |         |                    |
| sw   | 1,5            | X4       | J215/2      | L-S1A   | /       | X2   | BL01               | d30 | 6,3     | L-S an NT 24V L-LS |
| bl   | 1,5            | X2       | J218/2      | NF  | /       | X2   | BL01               | z28 | 6,3     | 24V-NT-Vers. NF    |
| gn/ge  | 2,5            | X5       | PE-Schiene  |   | /       | X2   | BL01               | z32 | 6,3     | 24V-NT-Vers. PE    |
| rt   | 0,75           | X2       | VL01        | 02  | x       | X2   | BL01               | z08 | 6,3     | Fühler +24V        |
| bl/ws  | 0,75           | X2       | VL02        | 02  | x       | X2   | BL01               | d10 | 6,3     | Fühler GND(24V)    |
| rt   | 0,75           | X2       | VL01        | 32  | x       | X2   | BL01               | z04 | 6,3     | +24V               |
| bl/ws  | 0,75           | X2       | VL02        | 32  | x       | X2   | BL01               | z12 | 6,3     | GND(24V)           |
| bl/ws  | 0,75           | X2       | VL02        | 30  | x       | X2   | J11                | GND | /       | Brücke GND(24V)    |
| original:  | Baumann        | 23.07.07 | city:       | Simanovce (Serbien)                           |         |      |                    |     |         |                    |
| Bearbeiter   | Esposito       | 09.11.07 | position    | Krnjasevacka street / Obrdovic's sokak street |         |      |                    |     |         |                    |
| version  | 1              |          | EQ-Nr:      | 2008339                                       |         |      |                    |     |         |                    |
| page name  | custom IC      |          |             | <b>ACTROS</b><br>custom IC                    |         |      |                    |     |         |                    |
| data file  | 2008339neu.xls |          |             |   |         |      |                    |     |         |                    |
|  |                |          |             | Blatt: 1 von 2                                |         |      |                    |     |         |                    |

| Draht   | Ø mm.          | Rack     | Leiste                | Pin   | Anschl. | Rack | Leiste                | Pin            | Anschl. | Funktion      |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
|---|----------------|----------|-----------------------|---|---------|------|-----------------------|----------------|---------|---------------|-------|--------------|-----------|---------|----------|-------|---------------------|--|--|--|------------|----------|----------|----------|---|--|--|--|---------|---|--|--------|---------|--|--|--|-----------|-----------|--|--|----------------------------|--|--|--|-----------|----------------|--|--|----------------|--|--|--|
| <b>Verdrahtung von Weiß-Detektor 1</b>  |                |          |                       |   |         |      |                       |                |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| rt  | 0,75           | X2       | VL01                  | 04  | x       | X2   | BL02                  | z32            | x       | Det.1         | Vers. | +24V         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| bl/ws   | 0,75           | X2       | VL02                  | 04  | x       | X2   | BL02                  | d32            | x       | Det.1         | Vers. | GND(24V)     |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| gn/ge   | 0,75           | X5       | PE-Schiene            |   | /       | X2   | BL02                  | b32            | x       | Det.1         | Vers. | PE           |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| ws  | 0,5            | X3       | BL03                  | ...   | x       | X2   | BL02                  | d26            | x       | Det.1         | Meld. | Res.         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| ws  | 0,5            | X3       | BL03                  | ...   | x       | X2   | BL02                  | z26            | x       | Det.1         | Meld. | Res.         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| ws  | 0,5            | X3       | BL03                  | ...   | x       | X2   | BL02                  | z24            | x       | Det.1         | Meld. | Res.         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| ws  | 0,5            | X3       | BL03                  | ...   | x       | X2   | BL02                  | d24            | x       | Det.1         | Meld. | Res.         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| <b>Verdrahtung von Weiß-Detektor 2</b>  |                |          |                       |   |         |      |                       |                |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| rt  | 0,75           | X2       | VL01                  | 06  | x       | X2   | BL03                  | z32            | x       | Det.2         | Vers. | +24V         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| bl/ws   | 0,75           | X2       | VL02                  | 06  | x       | X2   | BL03                  | d32            | x       | Det.2         | Vers. | GND(24V)     |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| gn/ge   | 0,75           | X5       | PE-Schiene            |   | /       | X2   | BL03                  | b32            | x       | Det.2         | Vers. | PE           |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| ws  | 0,5            | X3       | BL03                  | ...   | x       | X2   | BL03                  | d26            | x       | Det.2         | Meld. | Res.         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| ws  | 0,5            | X3       | BL03                  | ...   | x       | X2   | BL03                  | z26            | x       | Det.2         | Meld. | Res.         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| ws  | 0,5            | X3       | BL03                  | ...   | x       | X2   | BL03                  | z24            | x       | Det.2         | Meld. | Res.         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| ws  | 0,5            | X3       | BL03                  | ...   | x       | X2   | BL03                  | d24            | x       | Det.2         | Meld. | Res.         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| <b>Verdrahtung von OCIT ohne USV</b>  |                |          |                       |   |         |      |                       |                |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| rt  | 0,75           | X2       | VL.01                 | 28  | x       | XX   | Fr.PI. Schalter Eing. |                | /       | OCIT-Versorg. |       | +24V         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| rt  | 0,75           | XX       | Fr.PI. Schalter Ausg. |   | /       | XX   | Master-BP/KI.+27V     |                | /       | OCIT-Versorg. |       | +24V         |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| bl/ws   | 0,75           | X2       | VL.02                 | 28  | x       | XX   | Fr.PI. Schalter Eing. |                | /       | OCIT-Versorg. |       | GND(24V)     |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| bl/ws   | 0,75           | XX       | Fr.PI. Schalter Ausg. |   | /       | XX   | Master-BP/KI. GND     |                | /       | OCIT-Versorg. |       | GND(24V)     |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| <b>Versorgung Modem-Backplane über LS2000 / Vcc Out</b>   |                |          |                       |   |         |      |                       |                |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| or  | 0,25           | XX       | MBP                   | BU4/3   | /       | XX   | Modem-BP KI.3         |                | /       |               |       | +5V an Modem |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| bl/rt   | 0,25           | XX       | MBP                   | BU4/1   | /       | XX   | Modem-BP KI.4         |                | /       |               |       | GND an Modem |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| Kabel   | ws             | *RW      | Quante LSA+ 1/1a      |   |         | XX   | Modem-BP KI.1         |                | /       | Datenleitung  |       | La           |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| 2x0,5²  | bn             | *RW      | Quante LSA+ 1/1b      |   |         | XX   | Modem-BP KI.2         |                | /       | Datenleitung  |       | Lb           |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20%;">original:</td> <td style="width:15%;">Baumann</td> <td style="width:15%;">23.07.07</td> <td style="width:15%;">city:</td> <td colspan="4">Simanovce (Serbien)</td> </tr> <tr> <td>Bearbeiter</td> <td>Esposito</td> <td>09.11.07</td> <td>position</td> <td colspan="4">Krnjasevacka street / Obrdovic's sokak street</td> </tr> <tr> <td>version</td> <td>1</td> <td></td> <td>EQ-Nr:</td> <td colspan="4">2008339</td> </tr> <tr> <td>page name</td> <td colspan="3">custom IC</td> <td colspan="4" rowspan="2" style="text-align: center; vertical-align: middle;"><b>ACTROS</b><br/>custom IC</td> </tr> <tr> <td>data file</td> <td colspan="3">2008339neu.xls</td> <td colspan="4">Blatt: 2 von 2</td> </tr> </table> |                |          |                       |   |         |      |                       |                |         |               |       |              | original: | Baumann | 23.07.07 | city: | Simanovce (Serbien) |  |  |  | Bearbeiter | Esposito | 09.11.07 | position | Krnjasevacka street / Obrdovic's sokak street |  |  |  | version | 1 |  | EQ-Nr: | 2008339 |  |  |  | page name | custom IC |  |  | <b>ACTROS</b><br>custom IC |  |  |  | data file | 2008339neu.xls |  |  | Blatt: 2 von 2 |  |  |  |
| original:   | Baumann        | 23.07.07 | city:                 | Simanovce (Serbien)                           |         |      |                       |                |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| Bearbeiter  | Esposito       | 09.11.07 | position              | Krnjasevacka street / Obrdovic's sokak street |         |      |                       |                |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| version   | 1              |          | EQ-Nr:                | 2008339                                       |         |      |                       |                |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| page name   | custom IC      |          |                       | <b>ACTROS</b><br>custom IC                    |         |      |                       |                |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |
| data file   | 2008339neu.xls |          |                       |   |         |      |                       | Blatt: 2 von 2 |         |               |       |              |           |         |          |       |                     |  |  |  |            |          |          |          |   |  |  |  |         |   |  |        |         |  |  |  |           |           |  |  |                            |  |  |  |           |                |  |  |                |  |  |  |



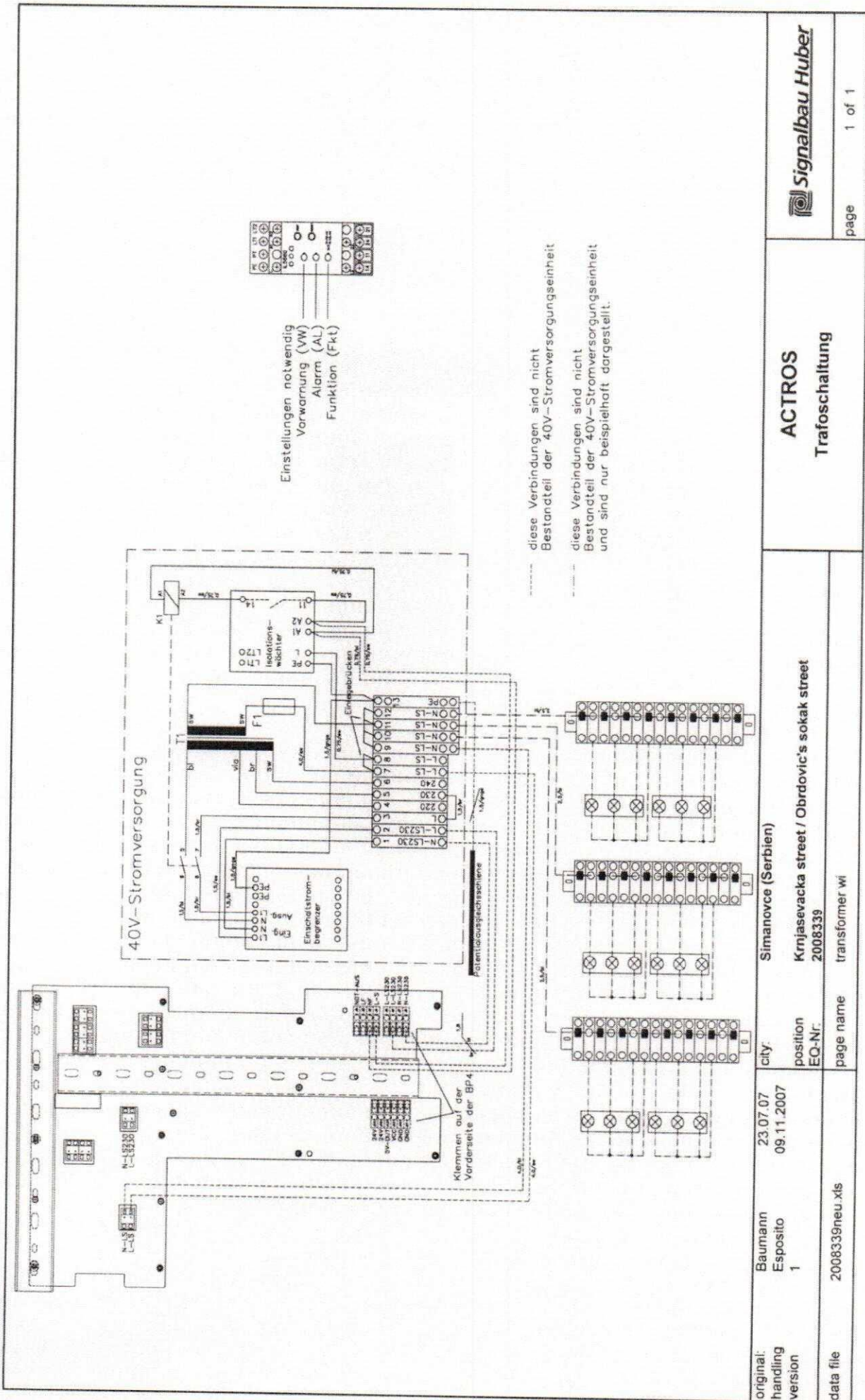
|            |                |          |          |   |                        |
|------------|----------------|----------|----------|---|------------------------|
| original:  | Baumann        | 23.07.07 | city:    | Simanovce (Serbien)                           | <b>Signalbau Huber</b> |
| Bearbeiter | Esposito       | 09.11.07 | position | Krnjasevacka street / Obrdovic's sokak street |                        |
| version    | 1              |          | EQ-Nr:   | 2008339                                       |                        |
| page name  | cabinet view   |          |          |   | <b>ACTROS</b>          |
| data file  | 2008339neu.xls |          |          |   | cabinet view           |
|            |                |          |          |   | 1 of 1                 |



Der dargestellte Stromlaufplan ist die Grundverdrahtung 230V (40V).  
 Der kundenspez. Ausbau ist aus den separaten Bauanweisungen zu entnehmen.  
 Die Datenleitungsverbindungen und Schnittstellen sind dem Stromlaufplan  
 der BUS-Platinen "BP4" ( E7039030.0000103 ) und  
 "BP5" ( E703905.0000203 ) bzw.  
 "BP5-Erweiterung" ( E7043161.0000303 ) zu entnehmen.  
 "VCC" (5Vait/NTS) entspricht nicht "5V-OUT"  
 - es sind zwei verschiedene Spannungsquellen (siehe CPU "LS2000").

|                                  |                          |                                 |   |
|----------------------------------|--------------------------|---------------------------------|---|
| original:<br>handling<br>version | Baumann<br>Esposito<br>1 | city:<br>23.07.07<br>09.11.2007 | Simanovce (Serbien)   |
| data file                        | 2008339neu.xls           | position<br>EQ-Nr.              | Krnjasevacka street / Obrdovic's sokak street<br>2008339                      |
|                                  |                          | page name                       | ACTROS wiring   |
|                                  |                          |                                 | ACTROS wiring<br>Betriebsspannungen<br>E7013001.0000303 (e7013001_g1a_vc.dwg) |
|                                  |                          |                                 | page 1 of 1   |

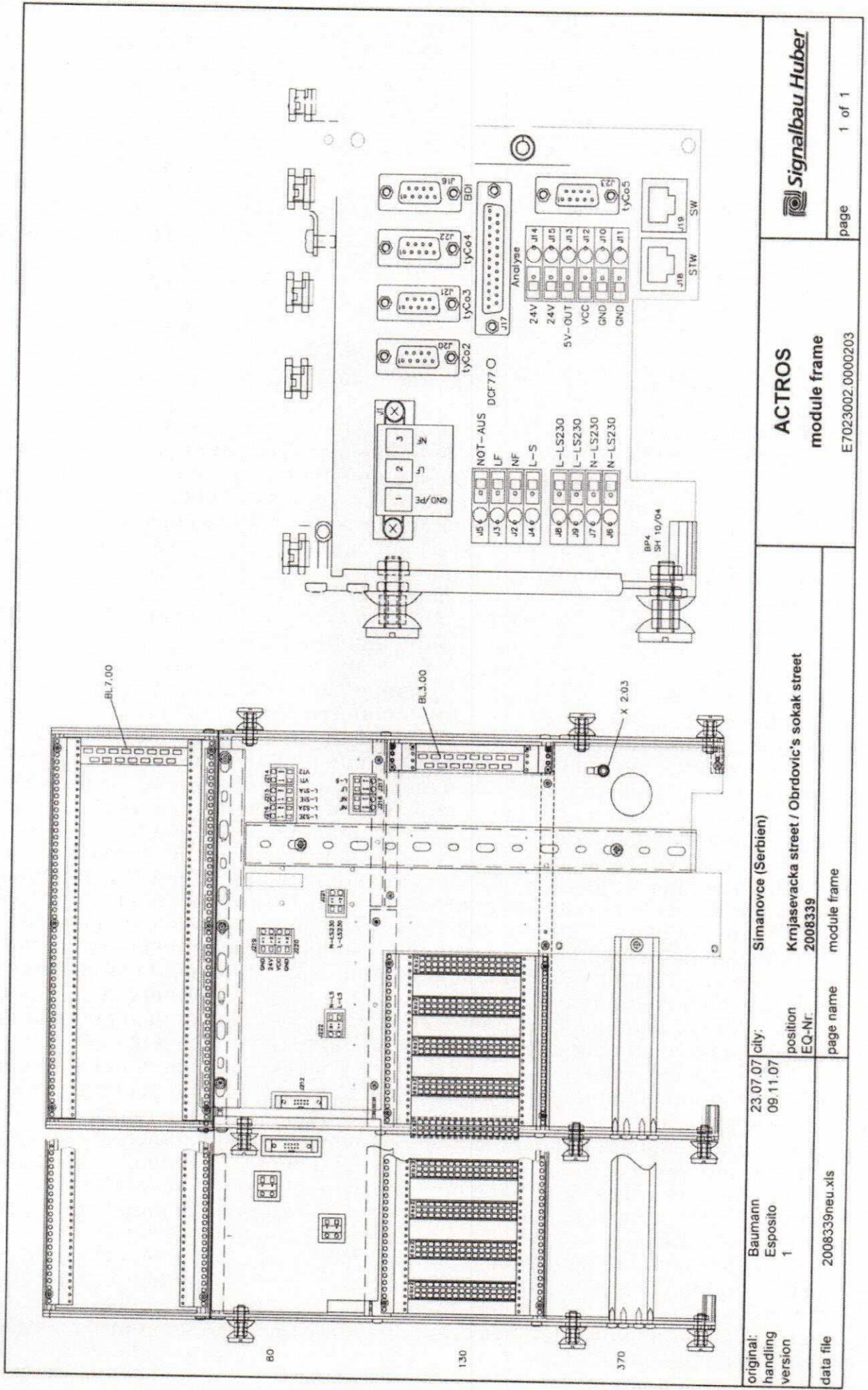




Einstellungen notwendig  
 Vorwarnung (VW)  
 Alarm (AL)  
 Funktion (Fkt)

diese Verbindungen sind nicht Bestandteil der 40V-Stromversorgungseinheit  
 diese Verbindungen sind nicht Bestandteil der 40V-Stromversorgungseinheit und sind nur beispielhaft dargestellt.

|                                  |                          |                        |                              |                                 |  |      |        |
|----------------------------------|--------------------------|------------------------|------------------------------|---------------------------------|--|------|--------|
| original:<br>handling<br>version | Baumann<br>Esposito<br>1 | 23.07.07<br>09.11.2007 | city:<br>Simanovce (Serbien) | position<br>EQ-Nr:              | Krnjasevacka street / Obrdovic's sokak street<br>2008339 | page | 1 of 1 |
| data file                        | 2008339neu.xls           |                        |                              | page name                       | transformer wi   |      |        |
|                                  |                          |                        |                              | <b>ACTROS</b><br>Trafoschaltung |  |      |        |



original: Baumann  
 handling: Esposito  
 version: 1

23.07.07  
 09.11.07

city: Simanovce (Serbien)  
 position: Krnjasevacka street / Obrdovic's sokak street  
 EQ-Nr.: 2008339

page name: module frame

data file: 2008339neu.xls

**ACTROS**  
 module frame  
 E7023002.0000203



|       |       |       |
|-------|-------|-------|
| SK-24 | SK-24 | IO-24 |
|-------|-------|-------|

Res. Res.  
Res. Res.  
Res. Res.  
Res. Res.

|                          |                          |                          |                          |                          |                          |                          |      |     |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|-----|
| Reset<br>Netz<br>Betrieb | Reset<br>Netz<br>Betrieb | Reset<br>Netz<br>Betrieb | Reset<br>Netz<br>Betrieb | Reset<br>Netz<br>Betrieb | Reset<br>Netz<br>Betrieb | Reset<br>Netz<br>Betrieb | OCIT | GSM |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------|-----|

|      |    |     |    |
|------|----|-----|----|
| K10a | Rt | Fd1 | Rt |
| K10b | Rt | Fd2 | Rt |
| K10c | Rt | Fd1 | Gn |
| K10a | Ge |     |    |
| K10a | Gn |     |    |
| K20a | Rt |     |    |
| K20b | Rt |     |    |
| K20a | Ge |     |    |
| K20a | Gn |     |    |
| K30a | Rt |     |    |
| K30b | Rt |     |    |
| K30c | Rt |     |    |
| K30a | Ge |     |    |
| K30a | Gn |     |    |
| K40a | Rt |     |    |
| K40b | Rt |     |    |
| K40a | Ge |     |    |
| K40b | Gn |     |    |
| Fa1  | Rt |     |    |
| Fa2  | Rt |     |    |
| Fa1  | Gn |     |    |
| Fb1  | Rt |     |    |
| Fb2  | Rt |     |    |
| Fb1  | Gn |     |    |

Klemmleiste 1

Klemmleiste 2

city: Simanovce (Serbien)  
Ani.Nr:  
position Krnjasevacka street / Obrdovic's sokak street  
EQ-Nr: 2008339

NT24V  
F4.03

L-LS  
F4.01

L-S  
F4.02

L-Anf.(40V)  
F4.04

 **Signalbau Huber**

position Krnjasevacka street / Obrdovic's sokak street  
EQ-Nr.: 2008339

Ani.Nr.:

Mat-Nr: 4.998.103.569

Gerätetyp: ACTROS

Außenanlagenspg. 40V-LED

Leistung: 0,5 kVA

Serien-Nr.: 4.14265

Fert-Woche: 46 2007

Inbetriebnahme: .....

1 Kanal  
100 Hz  
HS1  
HS2  
HS3  
Life CPU  
Fehler

 **Signalbau Huber**

city: Simanovce (Serbien)

Ani.Nr:

position Krnjasevacka street / Obrdovic's sokak street

EQ-Nr: 2008339

2 Kanal  
100 Hz  
HS1  
HS2  
HS3  
Life CPU  
Fehler

**40V-LED**

Signalbau Huber GmbH  
Kelterstraße 67, D-72699 Unterensingen



## Nkk-Typ

|            |
|------------|
| NkkTyp     |
| Nkk40V50Hz |

## Koordinierung

| Steuerungsebene    | Typ     | Variante Rückrechenverfahren | Variante Detektor | Detektor |
|--------------------|---------|------------------------------|-------------------|----------|
| STG_SYSTEM         | TYP_UHR | VAR_RR_NULL_UHR              |                   |          |
| STG_UHR            | TYP_UHR | VAR_RR_NULL_UHR              |                   |          |
| STG_ZENTRALE       | TYP_UHR | VAR_RR_NULL_UHR              |                   |          |
| STG_VT_ANWENDER    | TYP_UHR | VAR_RR_NULL_UHR              |                   |          |
| STG_MANUELL_EXTERN | TYP_UHR | VAR_RR_NULL_UHR              |                   |          |
| STG_MANUELL        | TYP_UHR | VAR_RR_NULL_UHR              |                   |          |

## Hardware-Tk

| HardwareTk | AllesGelbZeit | Modifikation-Anzeigemaske |
|------------|---------------|---------------------------|
| LsaTK_1    | 5             | 1                         |

## Lampentypen; Signalgruppentypen; Signalgruppen

| Bezeichnung | Typ        |
|-------------|------------|
| lrot        | EinfachUga |
| lgelb       | BlinkUge   |
| lgruen      | EinfachUge |

## Lampentypen; Signalgruppentypen; Signalgruppen

| Bezeichnung | Actros-SgTyp           | LmpTyp1 | LmpTyp2 | LmpTyp3 | Feindlich | DunkelGruen | RotGelbZeit | GelbZeit | DunkelGelbZeit |
|-------------|------------------------|---------|---------|---------|-----------|-------------|-------------|----------|----------------|
| RoGeGn      | RoGeGn - Rot-Gelb-Grün | lrot    | lgelb   | lgruen  | -         | -           | 2           | 3        | 3              |
| RoGn        | RoGn - Rot-Grün        | lrot    | lgruen  |         | -         | -           | 0           | 0        | 0              |

| GruenBlinkZeit | DunkelFrei | BlinkenFrei | LISA-SgTyp | AllesGelbZeit |
|----------------|------------|-------------|------------|---------------|
| 0              | -          | -           | RoGeGn     | 0             |
| 0              | X          | -           | RoGn       | 0             |

## Lampentypen; Signalgruppentypen; Signalgruppen

| Signalgruppe | SgTyp  | Richtung | Wiederholer1 | Wiederholer2 | Wiederholer3 | Abschaltcode | Abschaltcode in LISA+ |
|--------------|--------|----------|--------------|--------------|--------------|--------------|-----------------------|
| K10          | RoGeGn | NR       | K10a         | K10b         |              | UGA 1        | UGA 1                 |
| K20          | RoGeGn | NR       | K20a         |              |              | UGA 1        | UGA 1                 |
| K30          | RoGeGn | NR       | K30a         | K30b         |              | UGA 1        | UGA 1                 |
| K40          | RoGeGn | NR       | K40a         |              |              | UGA 1        | UGA 1                 |
| Fa           | RoGn   | NR       | Fa1          |              |              | UGA 1#2      | UGA 1#2               |
| Fb           | RoGn   | NR       | Fb1          |              |              | UGA 1#2      | UGA 1#2               |
| Fd           | RoGn   | NR       | Fd1          |              |              | UGA 1#2      | UGA 1#2               |

|              |  |          |               |       |            |  |
|--------------|--|----------|---------------|-------|------------|--|
| Projekt      | Simanovci  |          |               |       |            |  |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |  |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |  |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |  |

## Handprogramm

Die Tabelle *Handprogramm* enthält keine Daten.

## Blinkprogramm

| Bezeichnung   | Nummer | Teilknoten | Umlaufzeit |
|---------------|--------|------------|------------|
| Blinkprogramm | 29     | LsaTK_1    | 10,0       |

## Einstellungen

| Offset FZ-Programme |
|---------------------|
| 0                   |

## HW-Lampentypen;Konfig Schalter;Schaltkanäle;Virtuelle Klemmen

| Bezeichnung | Typ                     | LED Farbe auf SSK |
|-------------|-------------------------|-------------------|
| hwrot20     | LmpOCITRotLed40V        | rot               |
| hwrot30     | LmpOCITRotLed40V        | rot               |
| hwgelb      | MLmpOCITGelbGruenLed40V | gelb              |
| hwgruen     | MLmpOCITGelbGruenLed40V | grün              |

## HW-Lampentypen;Konfig Schalter;Schaltkanäle;Virtuelle Klemmen

Die Tabelle *HW-Lampentypen; Konfig Schalter; Schaltkanäle; Virtuelle Klemmen* enthält keine Daten.

## HW-Lampentypen;Konfig Schalter;Schaltkanäle;Virtuelle Klemmen

| Kartenummer | Kanalnummer | Signalgruppe | Wiederholer            | Signalgeber | LmpTyp | HwLmpTyp | Faden      | Messkanal   |
|-------------|-------------|--------------|------------------------|-------------|--------|----------|------------|-------------|
| 1           | 1           | K10          | Signalgruppe           | K10         | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 2           | K10          | 1. Wiederholer der Sgr | K10a        | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 3           | K10          | 2. Wiederholer der Sgr | K10b        | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 4           | K10          | Signalgruppe           | K10         | lgelb  | hwgelb   | Hauptfaden | kein Kanal  |
| 1           | 5           | K10          | Signalgruppe           | K10         | lgruen | hwgruen  | Hauptfaden | kein Kanal  |
| 1           | 6           | K20          | Signalgruppe           | K20         | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 7           | K20          | 1. Wiederholer der Sgr | K20a        | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 8           | K20          | Signalgruppe           | K20         | lgelb  | hwgelb   | Hauptfaden | kein Kanal  |
| 1           | 9           | K20          | Signalgruppe           | K20         | lgruen | hwgruen  | Hauptfaden | kein Kanal  |
| 1           | 10          | K30          | Signalgruppe           | K30         | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 11          | K30          | 1. Wiederholer der Sgr | K30a        | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 12          | K30          | 2. Wiederholer der Sgr | K30b        | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 13          | K30          | Signalgruppe           | K30         | lgelb  | hwgelb   | Hauptfaden | kein Kanal  |
| 1           | 14          | K30          | Signalgruppe           | K30         | lgruen | hwgruen  | Hauptfaden | kein Kanal  |
| 1           | 15          | K40          | Signalgruppe           | K40         | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 16          | K40          | 1. Wiederholer der Sgr | K40a        | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1           | 17          | K40          | Signalgruppe           | K40         | lgelb  | hwgelb   | Hauptfaden | kein Kanal  |
| 1           | 18          | K40          | Signalgruppe           | K40         | lgruen | hwgruen  | Hauptfaden | kein Kanal  |
| 1           | 19          | Fa           | Signalgruppe           | Fa          | lrot   | hwrot20  | Hauptfaden | Schaltkanal |

|              |  |          |               |       |            |
|--------------|--|----------|---------------|-------|------------|
| Projekt      | Simanovci  |          |               |       |            |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |

LISA

| Kartennummer | Kanalnummer | Signalgruppe | Wiederholer            | Signalgeber | LmpTyp | HwLmpTyp | Faden      | Messkanal   |
|--------------|-------------|--------------|------------------------|-------------|--------|----------|------------|-------------|
| 1            | 20          | Fa           | 1. Wiederholer der Sgr | Fa1         | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1            | 21          | Fa           | Signalgruppe           | Fa          | lgruen | hwgruen  | Hauptfaden | kein Kanal  |
| 1            | 22          | Fb           | Signalgruppe           | Fb          | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1            | 23          | Fb           | 1. Wiederholer der Sgr | Fb1         | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 1            | 24          | Fb           | Signalgruppe           | Fb          | lgruen | hwgruen  | Hauptfaden | kein Kanal  |
| 2            | 1           | Fd           | Signalgruppe           | Fd          | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 2            | 2           | Fd           | 1. Wiederholer der Sgr | Fd1         | lrot   | hwrot20  | Hauptfaden | Schaltkanal |
| 2            | 3           | Fd           | Signalgruppe           | Fd          | lgruen | hwgruen  | Hauptfaden | kein Kanal  |
| 2            | 4           |              |                        |             |        |          |            |             |
| 2            | 5           |              |                        |             |        |          |            |             |
| 2            | 6           |              |                        |             |        |          |            |             |
| 2            | 7           |              |                        |             |        |          |            |             |
| 2            | 8           |              |                        |             |        |          |            |             |
| 2            | 9           |              |                        |             |        |          |            |             |
| 2            | 10          |              |                        |             |        |          |            |             |
| 2            | 11          |              |                        |             |        |          |            |             |
| 2            | 12          |              |                        |             |        |          |            |             |
| 2            | 13          |              |                        |             |        |          |            |             |
| 2            | 14          |              |                        |             |        |          |            |             |
| 2            | 15          |              |                        |             |        |          |            |             |
| 2            | 16          |              |                        |             |        |          |            |             |
| 2            | 17          |              |                        |             |        |          |            |             |
| 2            | 18          |              |                        |             |        |          |            |             |
| 2            | 19          |              |                        |             |        |          |            |             |
| 2            | 20          |              |                        |             |        |          |            |             |
| 2            | 21          |              |                        |             |        |          |            |             |
| 2            | 22          |              |                        |             |        |          |            |             |
| 2            | 23          |              |                        |             |        |          |            |             |
| 2            | 24          |              |                        |             |        |          |            |             |

## HW-Lampentypen;Konfig Schalter;Schaltkanäle;Virtuelle Klemmen

| Signalgruppe | Wiederholer            | LmpTyp |
|--------------|------------------------|--------|
| K10          | 1. Wiederholer der Sgr | lgelb  |
| K10          | 2. Wiederholer der Sgr | lgelb  |
| K10          | 1. Wiederholer der Sgr | lgruen |
| K10          | 2. Wiederholer der Sgr | lgruen |
| K20          | 1. Wiederholer der Sgr | lgelb  |
| K20          | 1. Wiederholer der Sgr | lgruen |
| K30          | 1. Wiederholer der Sgr | lgelb  |
| K30          | 2. Wiederholer der Sgr | lgelb  |
| K30          | 1. Wiederholer der Sgr | lgruen |

|              |  |          |               |       |            |
|--------------|--|----------|---------------|-------|------------|
| Projekt      | Simanovci  |          |               |       |            |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |

| Signalgruppe | Wiederholer            | LmpTyp |
|--------------|------------------------|--------|
| K30          | 2. Wiederholer der Sgr | Igruen |
| K40          | 1. Wiederholer der Sgr | Igelb  |
| K40          | 1. Wiederholer der Sgr | Igruen |
| Fa           | 1. Wiederholer der Sgr | Igruen |
| Fb           | 1. Wiederholer der Sgr | Igruen |
| Fd           | 1. Wiederholer der Sgr | Igruen |

## Konfig E/A;Detektoren;IO-Kanäle

Die Tabelle *Konfig E/A;Detektoren;IO-Kanäle* enthält keine Daten.

## Konfig E/A;Detektoren;IO-Kanäle

Die Tabelle *Konfig E/A;Detektoren;IO-Kanäle* enthält keine Daten.

## Konfig E/A;Detektoren;IO-Kanäle

| Karte | Kanal | E/A | Detektor | Ausgang |
|-------|-------|-----|----------|---------|
| 1     | 1     | E   |          |         |

## Fernversorgung;VT-Variablen

| Logikparameter als VT-Variablen | Logikvariablen als VT-Variablen | Systemparameter als VT-Variablen | Anzahl VT-Variablen festlegen |
|---------------------------------|---------------------------------|----------------------------------|-------------------------------|
| X                               | X                               | -                                | -                             |

| Version der Versorgung |
|------------------------|
| 1.01                   |

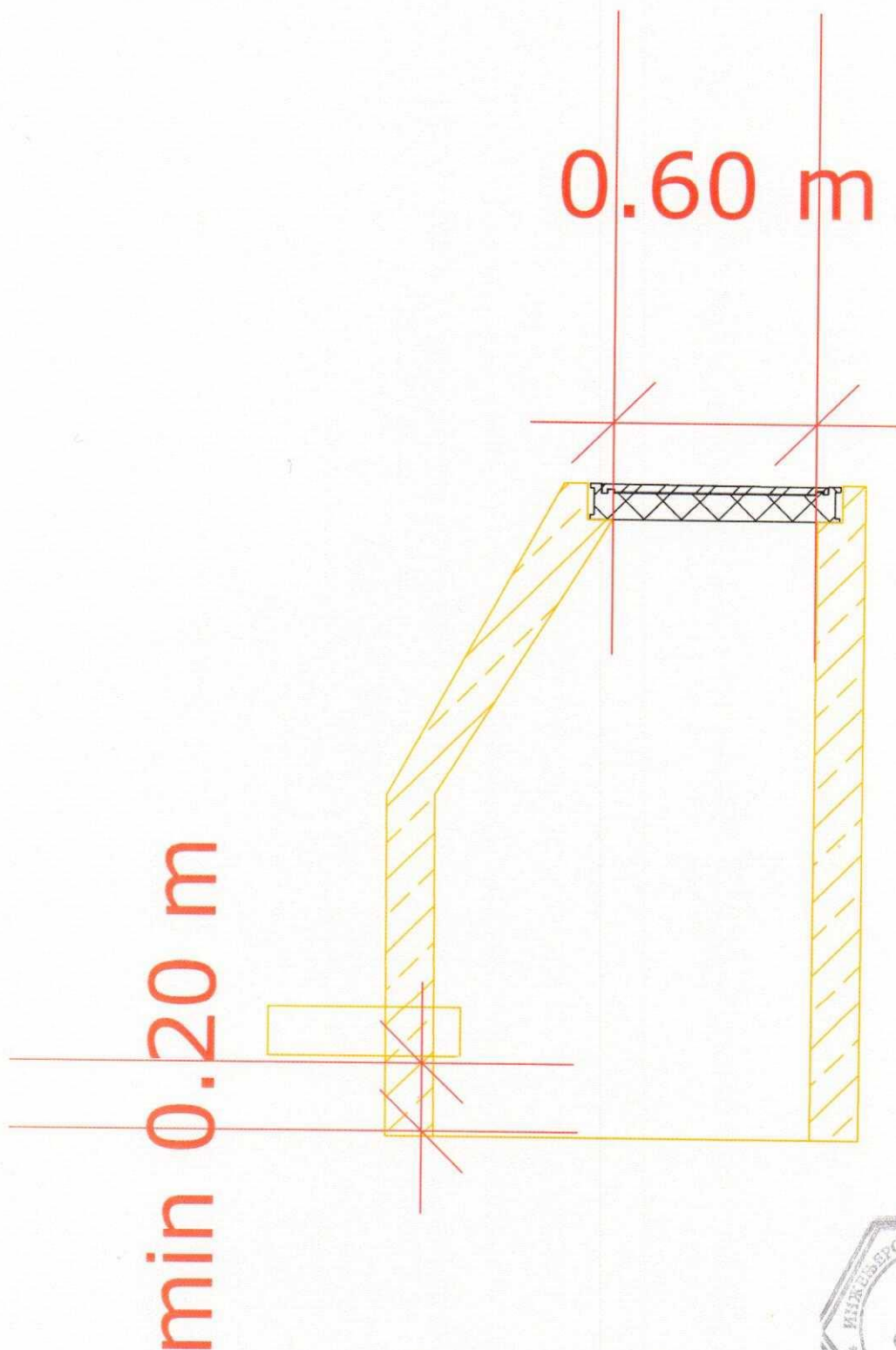
## Fernversorgung;VT-Variablen

| Art               | Anzahl | Schaltbefehle / Rahmen | Mindestanz. Schaltbefehle / Rahmen |
|-------------------|--------|------------------------|------------------------------------|
| Ausschaltpläne    | 1      | 21                     | 13                                 |
| Einschaltpläne    | 1      | 21                     | 17                                 |
| Signalzeitenpläne | 1      | 21                     | 14                                 |
| Phasenübergänge   | 0      | 7                      | 7                                  |
| Rahmenpläne       | 0      | 1                      | 0                                  |

|              |  |          |               |       |            |
|--------------|--|----------|---------------|-------|------------|
| Projekt      | Simanovci  |          |               |       |            |
| Knoten       | Simanovci: Krnjasevacka street/Obrdovic's sokak street |          |               |       |            |
| Equipmentnr. | 2008339  | Variante | Neuerstellung | Datum | 09.11.2007 |
| Bearbeiter   | Kraushaar  | Signum   |               | Blatt |            |

## DETALJI

- detalj temelja konzolnog stuba
- detalj temelja ravnog stuba
- detalj ploče sa ankerima konzolnog stuba
- detalj ploče sa ankerima ravnog stuba
- detalj poprečni presek kablovske kanalizacije
- detalj poprečni presek kablovske kanalizacije – podbušivanje
- detalj ukrštaji kablovske kanalizacije sa instalacijama: elektroinstalacijama do 5 kV i preko 5 kV, razvodnim elektroinstalacijama ( Telekom ) ,vodovodnim i kanalizacionim instalacijama
- detalj prikaz okna kablovske kanalizacije

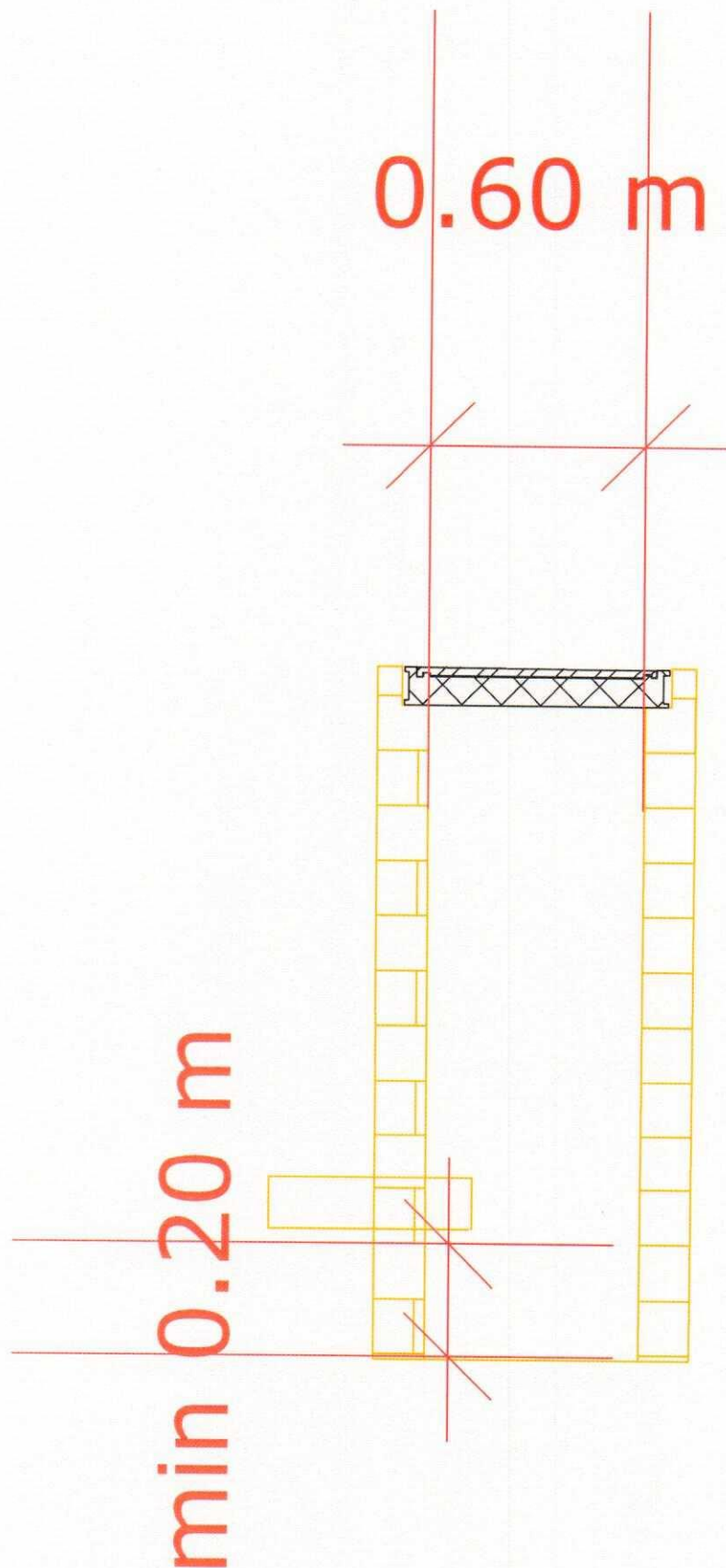
Ilija Nedev, dis  
DESIGNED\_BYIlija Nedev, dis  
CHECKED\_BY- / / 2008  
APPROVED\_BY\_DATEI\_P\_SHI\_det  
FILENAME25/08/2008  
DATE1: 20  
SCALE

Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka  
( R103.4), Obradovića sokak i Dečke u Šimanovcima

Detalj: Prikaz kablovskog okna tipa 1

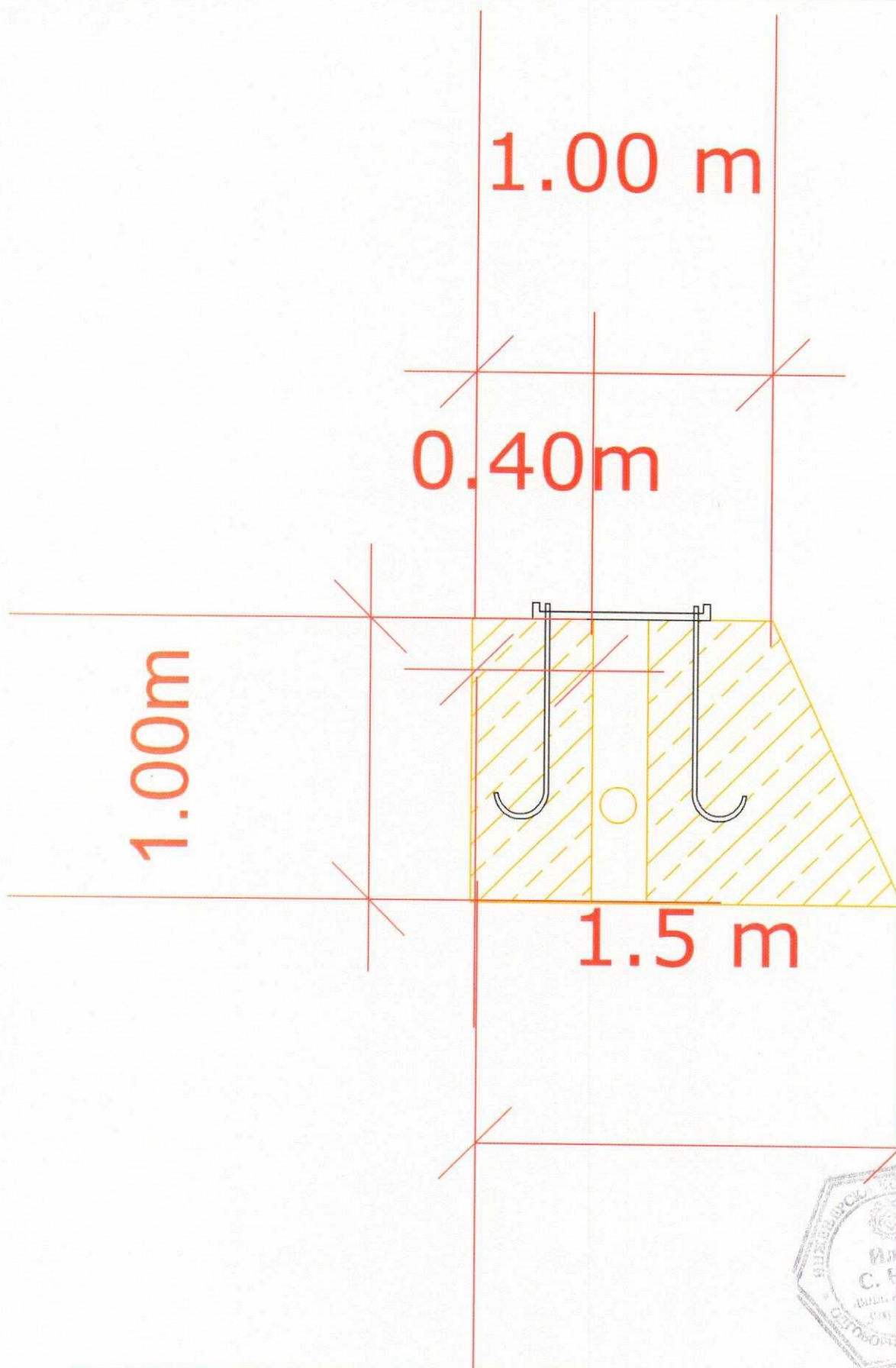
prvo  
EDITION

det\_001  
SHEET



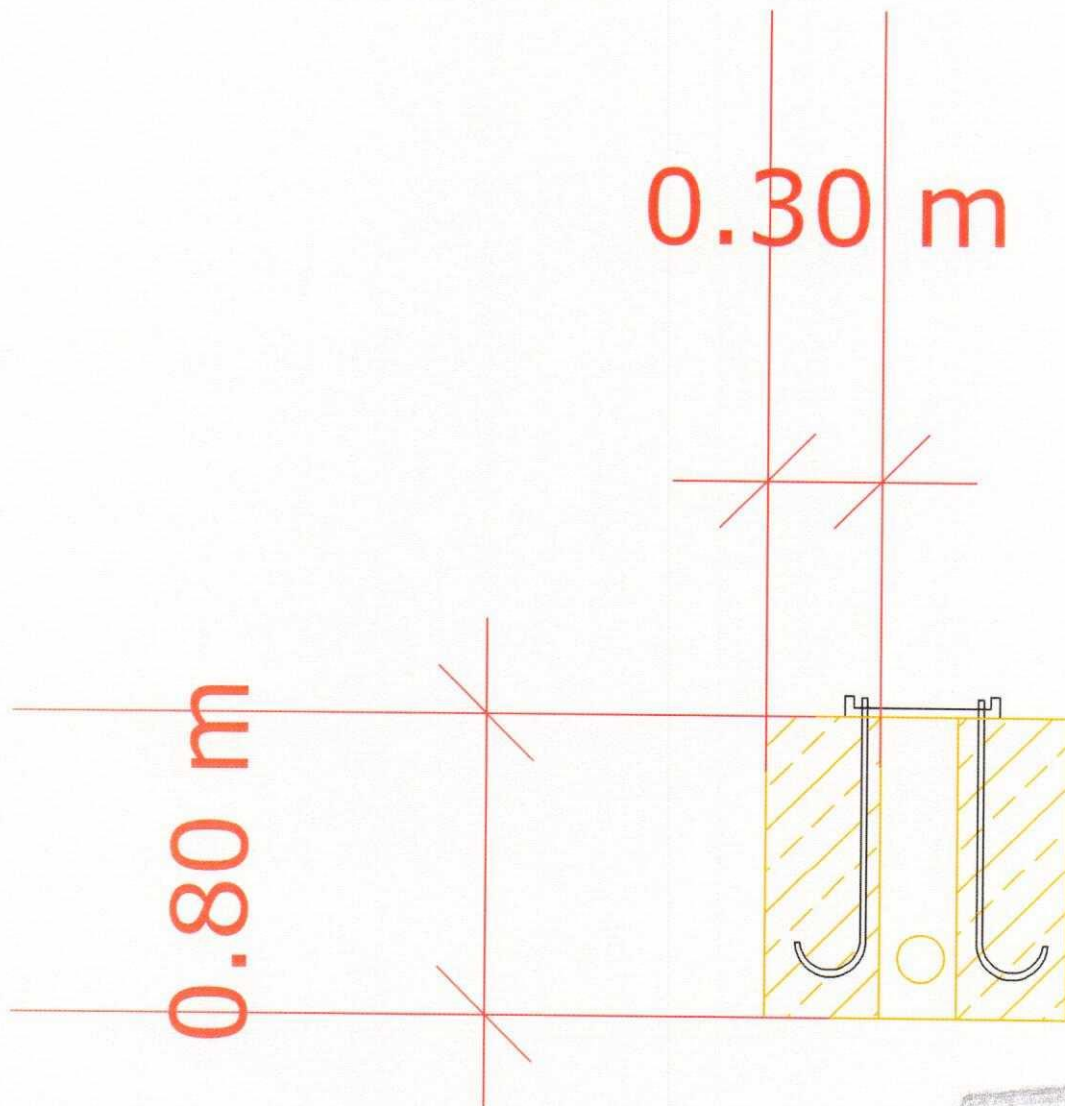
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|---|--------------------------------|--------------------------------|--|--------------------|------------------|
| Ilija Nedev, dis<br>DESIGNED_BY   | Ilija Nedev, dis<br>CHECKED_BY | - / / 2008<br>APPROVED_BY_DATE | I_P_SHI_det<br>FILENAME  | 25/08/2008<br>DATE | 1: 20<br>SCALE   |
|  <b>Telefonija</b> |                                |                                | <b>Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka (R103.4), Obradovića sokak i Dečke u Šimanovcima</b> |                    |                  |
|   |                                |                                | Detalj: Prikaz kablovskog okna tipa 2  | prvo<br>EDITION    | det_002<br>SHEET |



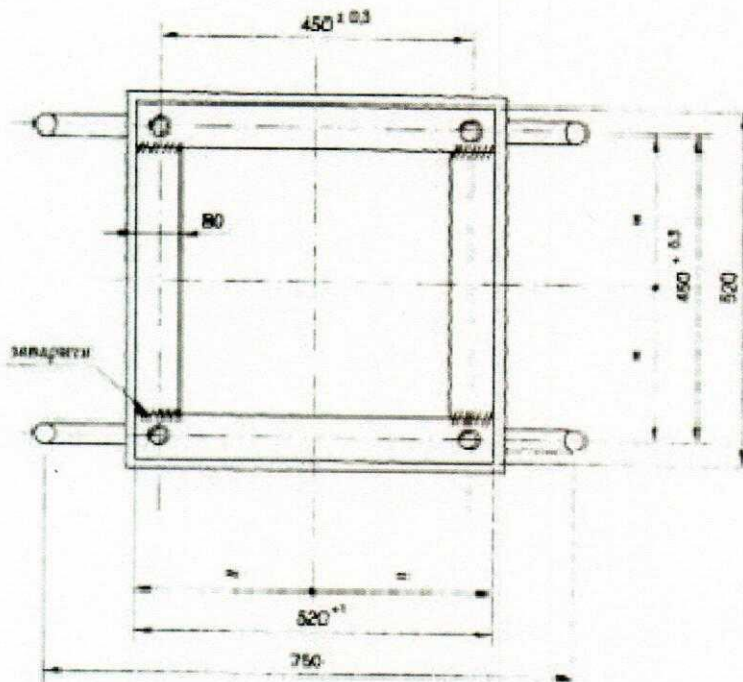
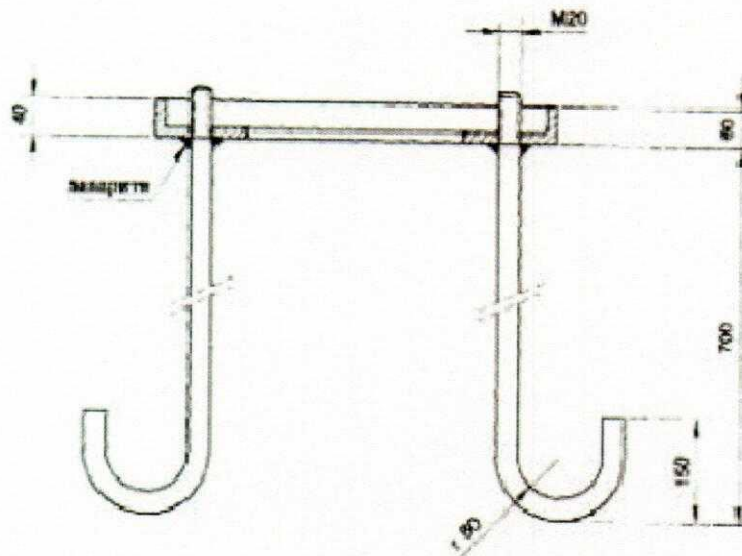


|   |                                |                                |  |                    |                |
|---|--------------------------------|--------------------------------|--|--------------------|----------------|
| Ilija Nedev, dis<br>DESIGNED_BY   | Ilija Nedev, dis<br>CHECKED_BY | - / / 2008<br>APPROVED_BY_DATE | I_P_SHI_det<br>FILENAME  | 25/08/2008<br>DATE | 1: 20<br>SCALE |
|  <b>Telefonija</b> |                                |                                | <b>Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka (R103.4), Obradovića sokak i Dečke u Šimanovcima</b> |                    |                |
| <b>Detalj: Prikaz temelja konzolnog stuba</b>   |                                |                                | prvo<br>EDITION  | det_003<br>SHEET   |                |





|   |                                |                                |   |                    |                |
|---|--------------------------------|--------------------------------|---|--------------------|----------------|
| Ilija Nedev, dis<br>DESIGNED_BY   | Ilija Nedev, dis<br>CHECKED_BY | - / / 2008<br>APPROVED_BY_DATE | I_P_SHI_det<br>FILENAME   | 25/08/2008<br>DATE | 1: 20<br>SCALE |
|  |                                |                                | <b>Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka ( R103.4), Obradovića sokak i Dečke u Šimanovcima</b> |                    |                |
| <b>Detalj: Prikaz temelja ravnog stuba</b>  |                                |                                | prvo<br>EDITION   | det_004<br>SHEET   |                |



**НАПОМЕНА:** Обавезно уз АНКЕР ПОСТОЛБЕ испоручити следеће:

- 1) НАВРТКА <sup>M20</sup> ЈУС МБ1.600.5 - 4 КОМ.  
 2) ПОДЛОЖКА А20 ЈУС МБ2.110 Ч.0000 - 4 КОМ.



Ilija Nedev, dis  
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Ilija Nedev, dis  
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25/08/2008  
DATE

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SCALE



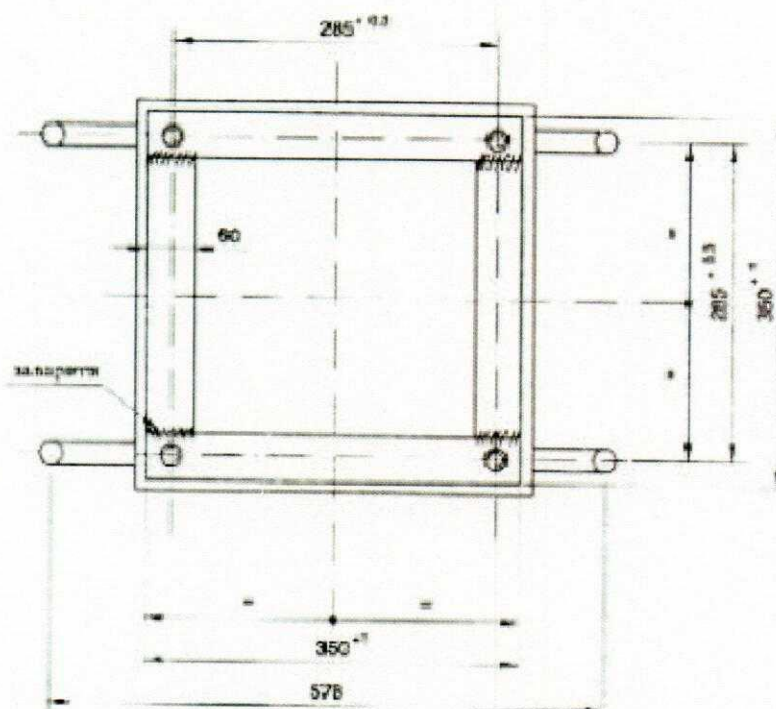
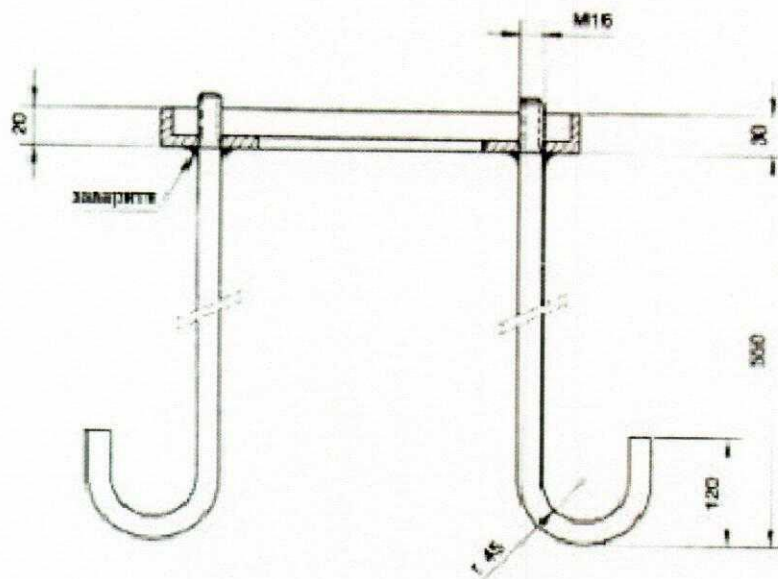
**Telefonija**

Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka  
( R103.4), Obradovića sokak i Dečke u Šimanovcima

Detalj: Prikaz ploče sa ankerima  
konzolnog stuba

prvo  
EDITION

det\_005  
SHEET



**НАПОМЕНА:** Обавезно уз АНКЕР ПОСТОЉЕ испоручити следеће:

- |             |     |                 |          |
|-------------|-----|-----------------|----------|
| 1) НАВРТКА  | M16 | ЈУС М.Б.1.600.5 | - 4 КОМ. |
| 2) ПОДЛОШКА | A16 | ЈУС М.Б.2.110   | - 4 КОМ. |



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DATE

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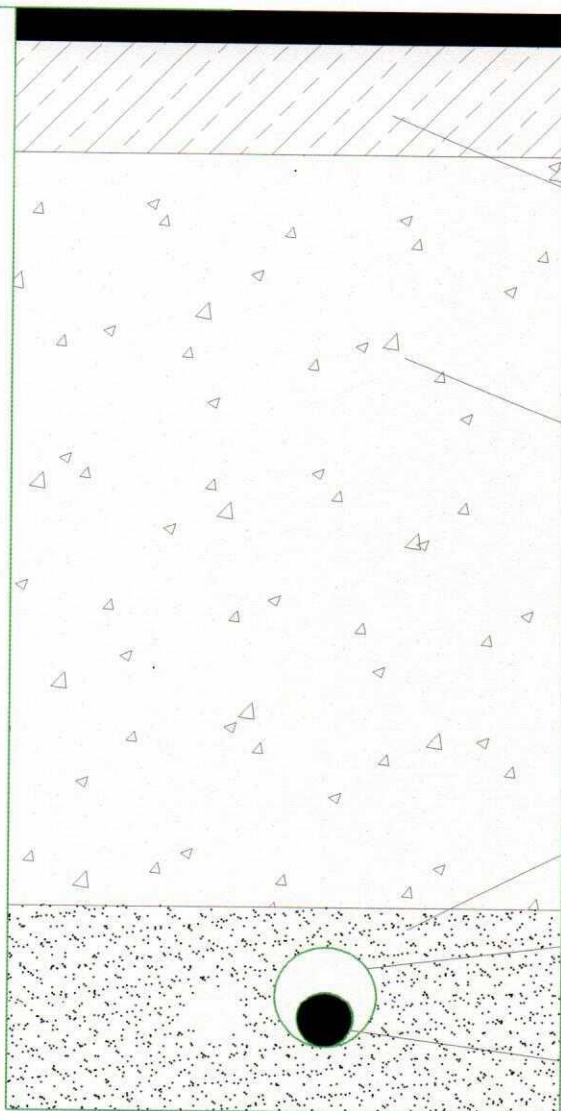
Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka (R103.4), Obradovića sokak i Dečke u Šimanovcima

Detalj: Prikaz ploče sa ankerima  
ravnog stuba

prvo  
EDITION

det\_006  
SHEET

ASFALT



BETONSKA STABILIZACIJA

ŠLJUNAK (ZONA ISPUNE)

ZONA INSTALACIJE - PESAK

PVC Ø110mm

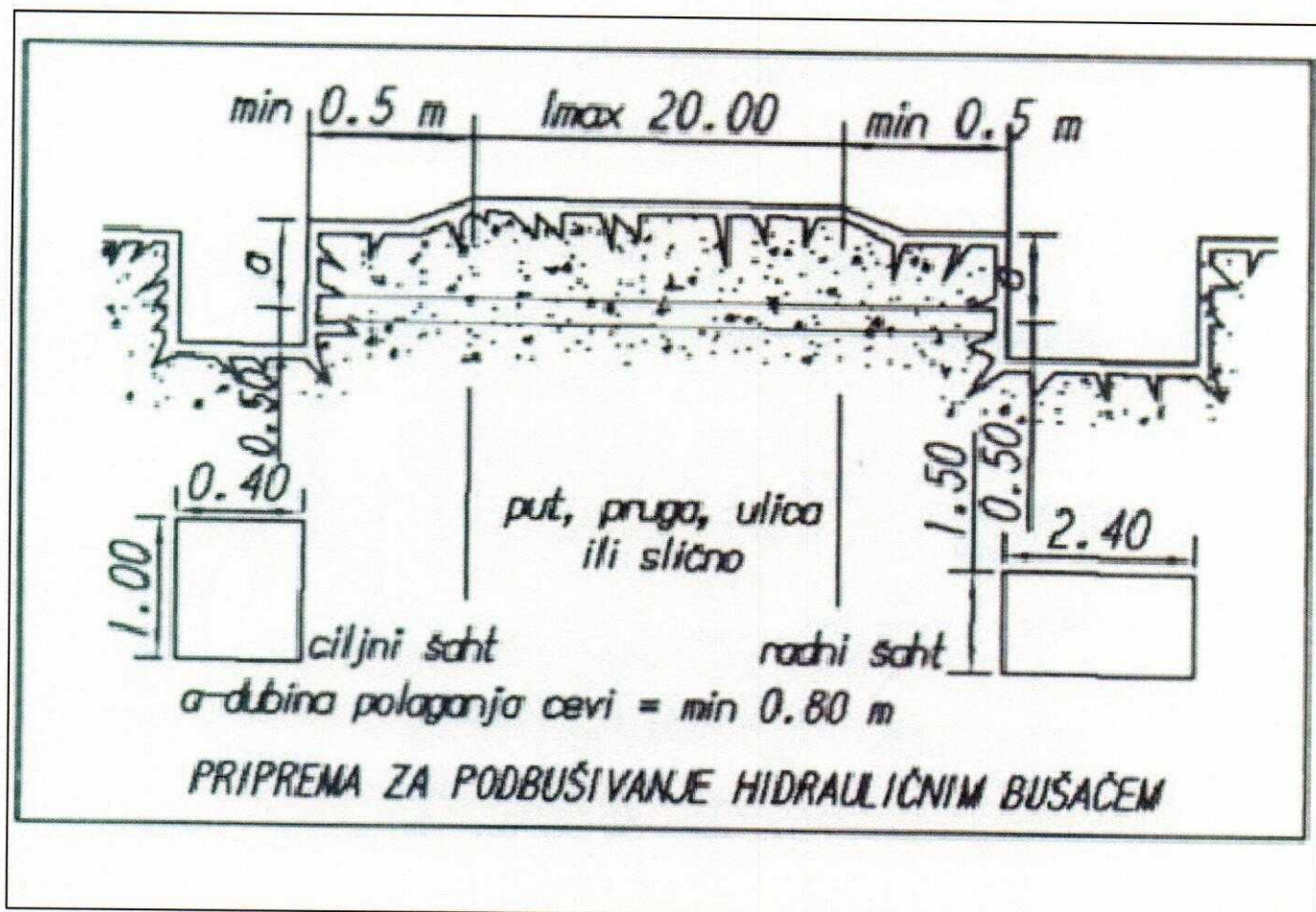
RAZVODNI KABL  
SVETLOSNE SIGNALIZACIJEIlija Nedev, dis  
DESIGNED\_BYIlija Nedev, dis  
CHECKED\_BY- / / 2008  
APPROVED\_BY\_DATEI\_P\_SHI\_det  
FILENAME25/08/2008  
DATE1: xx  
SCALE
**Telefonija**

 Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka  
( R103.4), Obradovića sokak i Dečke u Šimanovcima

 Detalj: Prikaz poprečnog preseka  
kablovske kanalizacije u trotoaru

 prvo  
EDITION

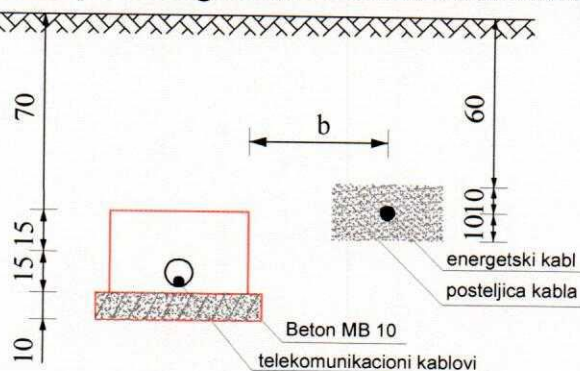
 det\_007  
SHEET



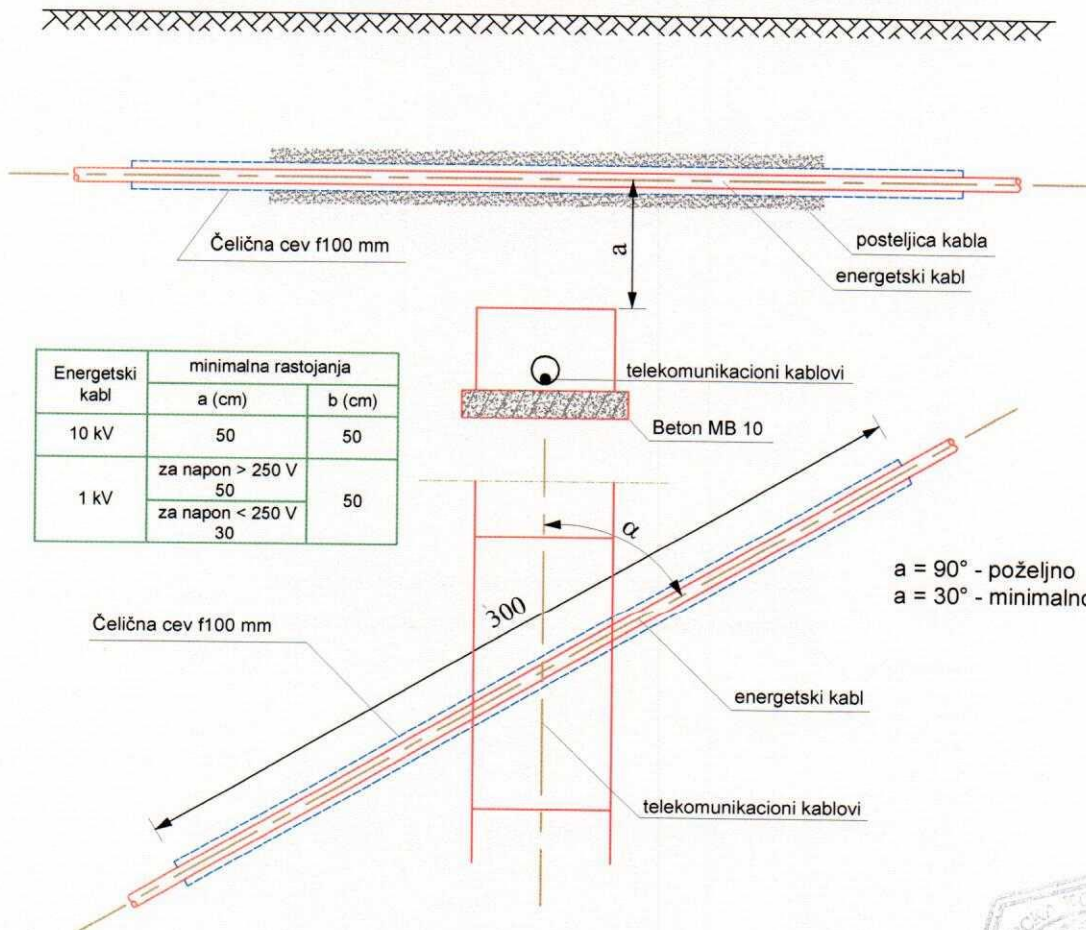
|   |                                |                                |   |                    |                |
|---|--------------------------------|--------------------------------|---|--------------------|----------------|
| Ilija Nedev, dis<br>DESIGNED_BY   | Ilija Nedev, dis<br>CHECKED_BY | - / / 2008<br>APPROVED_BY_DATE | I_P_SHI_det<br>FILENAME   | 25/08/2008<br>DATE | 1: xx<br>SCALE |
|  |                                |                                | <b>Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka (R103.4), Obradovića sokak i Dečke u Šimanovcima</b><br><b>Detalj: Prikaz poprečnog preseka podbušnih rupa za podbušivanje ispod kolovoza</b> |                    |                |
|   |                                |                                | prvo<br>EDITION   | det_008<br>SHEET   |                |

## 1 Paralelno vođenje energetskih i telekomunikacionih kablova

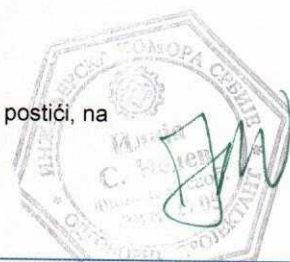
Polaganje energetskih kablovskih vodova preko telekomunikacionih kablovskih vodova nije dozvoljeno



## 2 Ukrštanje energetskih i telekomunikacionih kablova



U slučaju da se horizontalno rastojanje energetskih i telekomunikacionih kablova ne može postići, na tim mestima treba energetske kablove provesti kroz cevi od provodnog materijala



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- / / 2008  
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FILENAME

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DATE

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SCALE



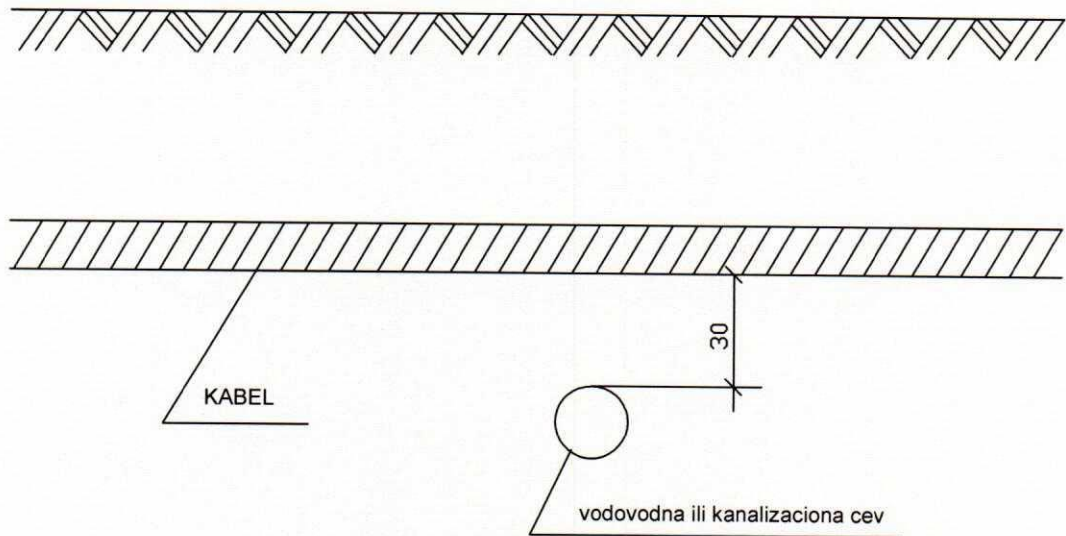
Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka (R103.4), Obradovića sokak i Dečke u Šimanovcima

Detalj: Prikaz paralelnog vođenja i ukrštaja EE, TT i razvodnih instalacija svetlosne signalizacije

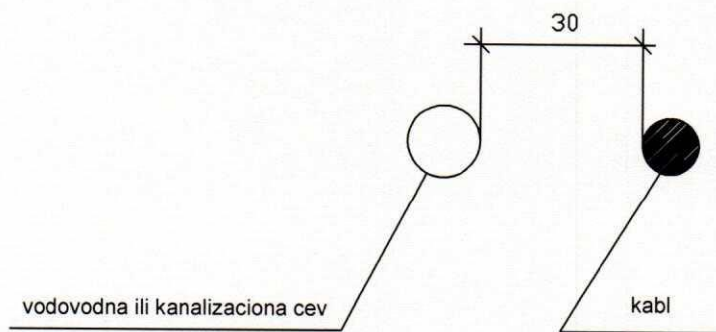
prvo  
EDITION

det\_009  
SHEET

## UKRŠTANJE KABLOVSKOG VODA SA CEVIMA ZA VODOVOD I KANALIZACIJU



## HORIZONTALNO RASTOJANJE IZMEĐU KABLOVSKIH VODOVA I VODOVODNIH ILI KANALIZACIONIH CEVI



| MINIMALNO RASTOJANJE (cm) | PREPORUČENO RASTOJANJE (cm) |
|---------------------------|-----------------------------|
| 30                        | 50                          |

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- / / 2008  
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FILENAME

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DATE

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SCALE



Glavni projekat semaforizacije raskrsnica ulica Krnjaševačka (R103.4), Obradovića sokak i Dečke u Šimanovcima

Detalj: Prikaz paralelnog vođenja i ukrštaja vodovodnih i razvodnih instalacija svetlosne signalizacije

prvo  
EDITION

det\_010  
SHEET