



Elektroplan Electric diagram

AB 220-3 (T)V

28AB
Baureihe /
Series

0001 - xxxx
Seriennummer /
Serial No

24.06.2014
Ausgabedatum /
Date of issue

ESP_28AB_2355988_00_00_00
Katalog Bestellnummer /
Catalogue order No

Schutzvermerk nach ISO 16016

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| name Heindt | name Berlinghof | name | PF = prototype release | Revision No.: |
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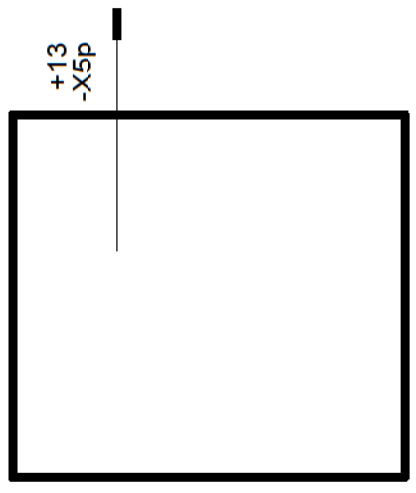
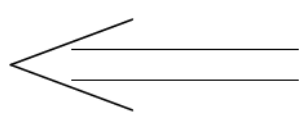
Document No.: Partial Document No.: Version No.:

Series code: 28AB Valid for Serial No.: from 0001 to xxxx

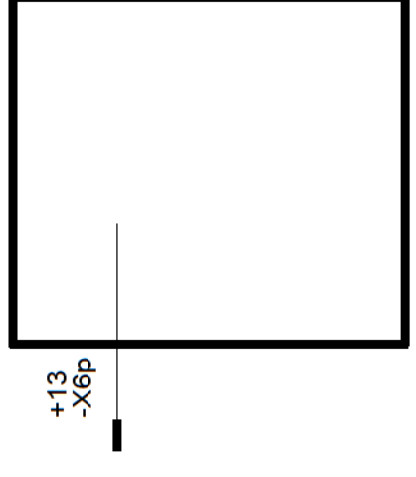
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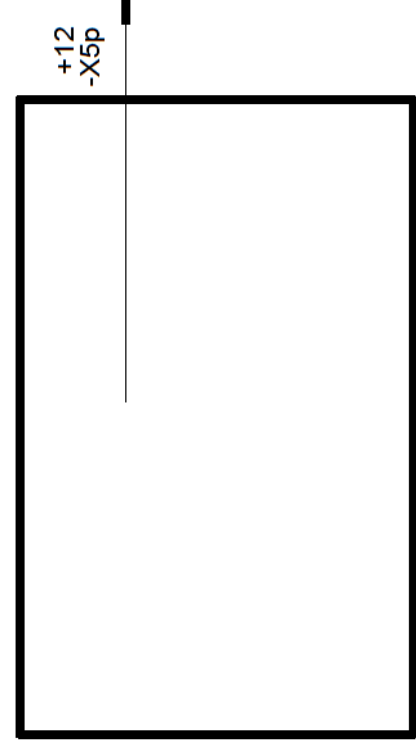

Fahrtrichtung
advance direction



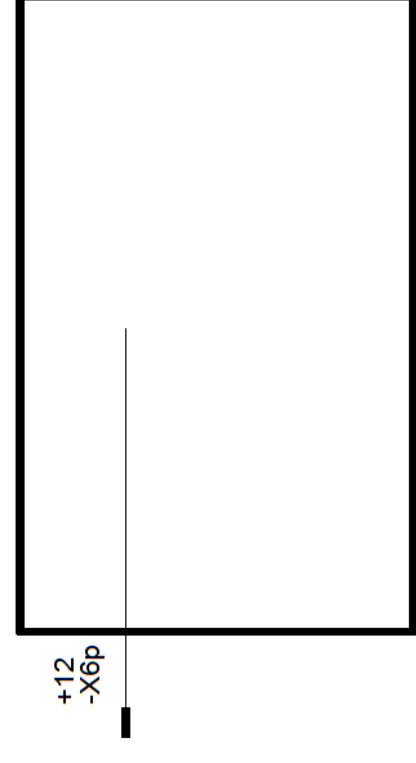
Verbreiterungsteil 0,5m
extension 0,5m



Verbreiterungsteil 0,5m
extension 0,5m



Verbreiterungsteil 0,65m
extension 0,65m



Verbreiterungsteil 0,65m
extension 0,65m

Topologie
topology

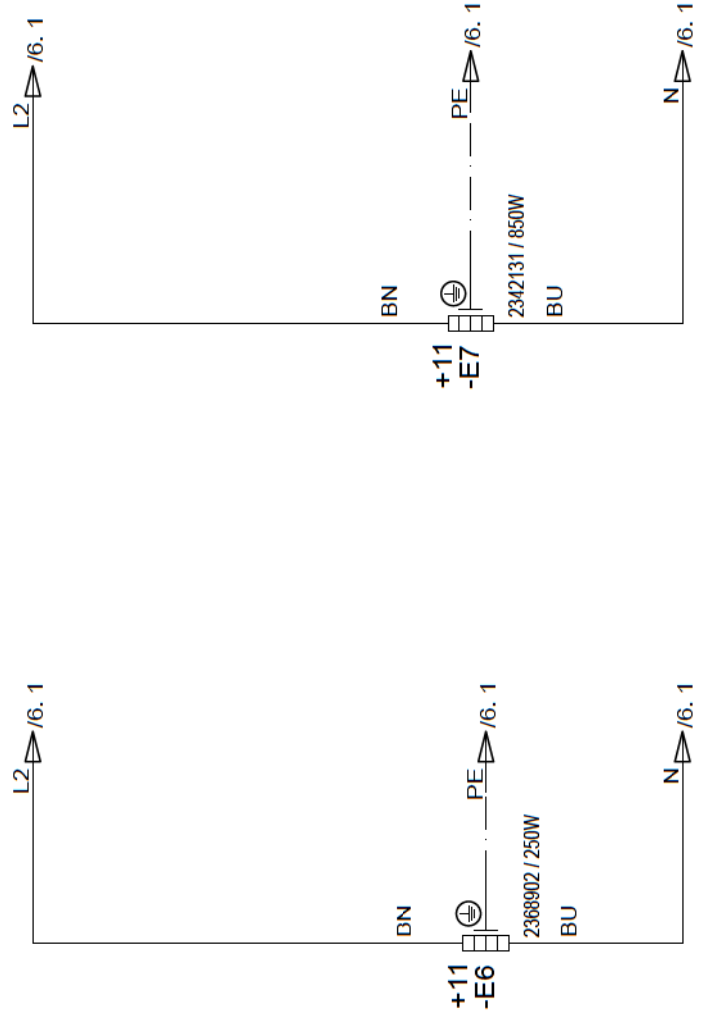
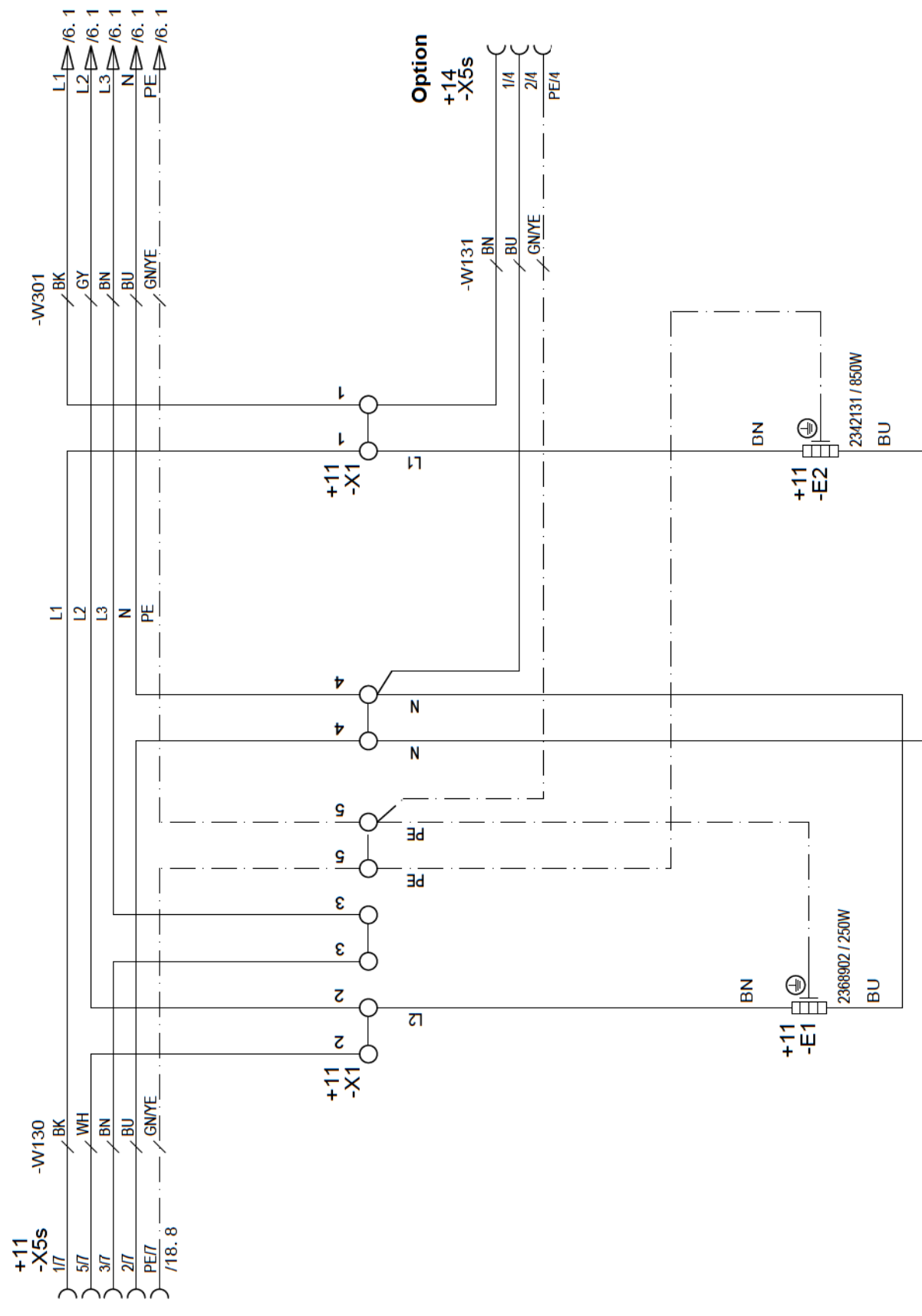
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| E - CAE | | Document type: | ESP | Function group No.: | 19 | SF | Sheet plant: | 0001 to | 28AB | from | 0001 to | XXXX | | |

WIRTTIGEN GROUP

Document No.: Partial Document No.: Version No.:

Ausziehbohle AB 220-3 TV (28AB)
extending screed AB 220-3 TV (28AB)

Heizung, links
heating, left hand



**Tamper
tamper**

**Glätter
screed plate**

**Ausziehbohle links
extending screed left hand**

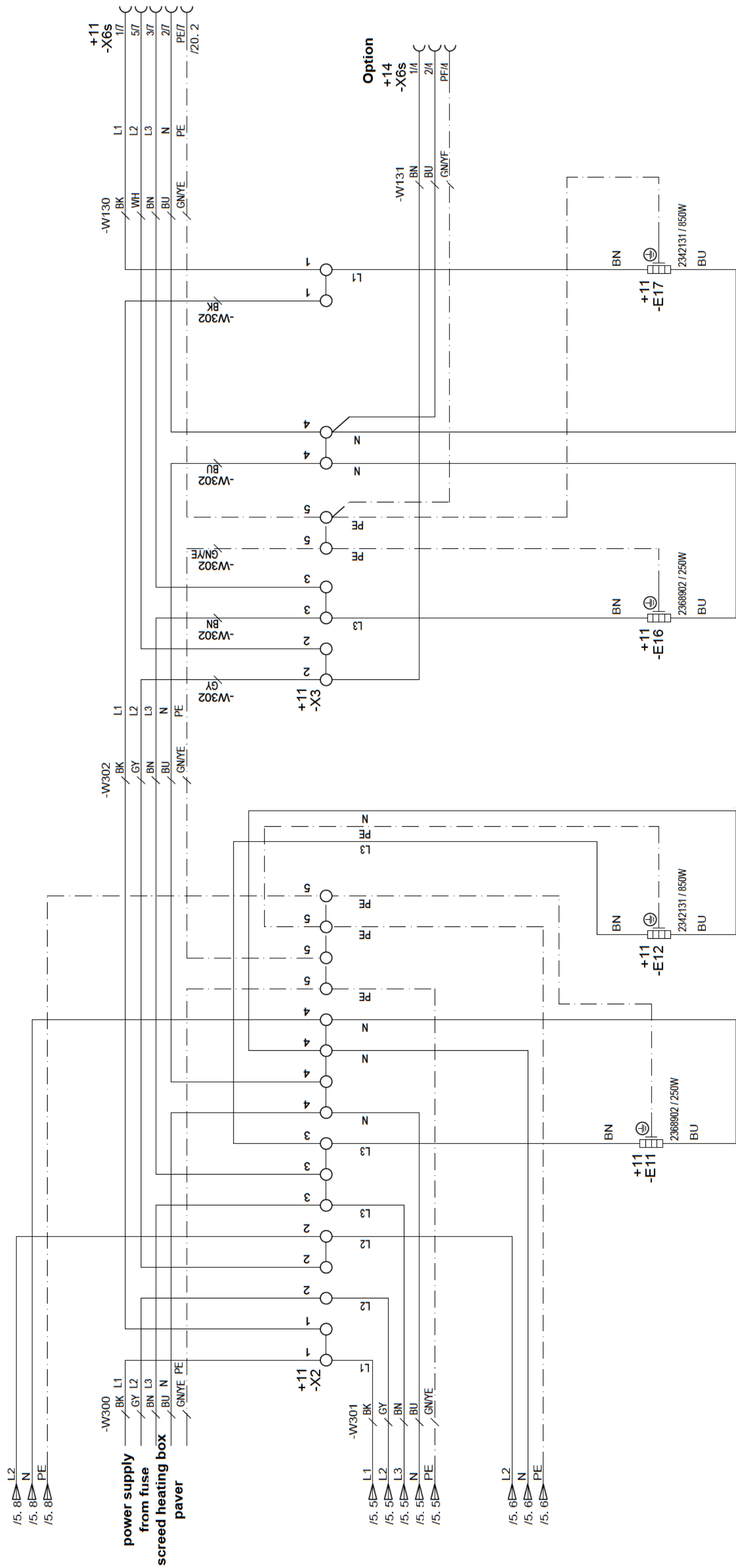
**Grundbohle links
basic screed left**

**Glätter
screed plate**

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| Drawing by: | Approved by: | Last change: | Status: | Material No.: | Document No.: | Version No.: |
| date 24.10.2013 | date 25.10.2013 | date | AE = changeable | 2355988 | Partial Document No.: | |
| name Heindtel | name Berlinghof | name | PF = prototype release | Revision No. 00_00_00 | Series code: 28AB | Valid for Serial No.: |
| E - CAE | Document type: ESP | Function group No.: 19 | SF = serial release | Sheet plant: 0001 to xxxxx | Sheet Location: | |

Ausziehbohle AB 220-3 TV (28AB)
extending screed AB 220-3 TV (28AB)

Heizung_rechts
heating_right hand



Tamper
tamper

Glätter
screed plate

Tamper
tamper

Glätter
screed plate

Grundbohle rechts
basic screed right

Ausziehbohle rechts
extending screed right hand

| | | | | | |
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| date 24.10.2013 | date 25.10.2013 | date | AE = changeable | 2355988 | |
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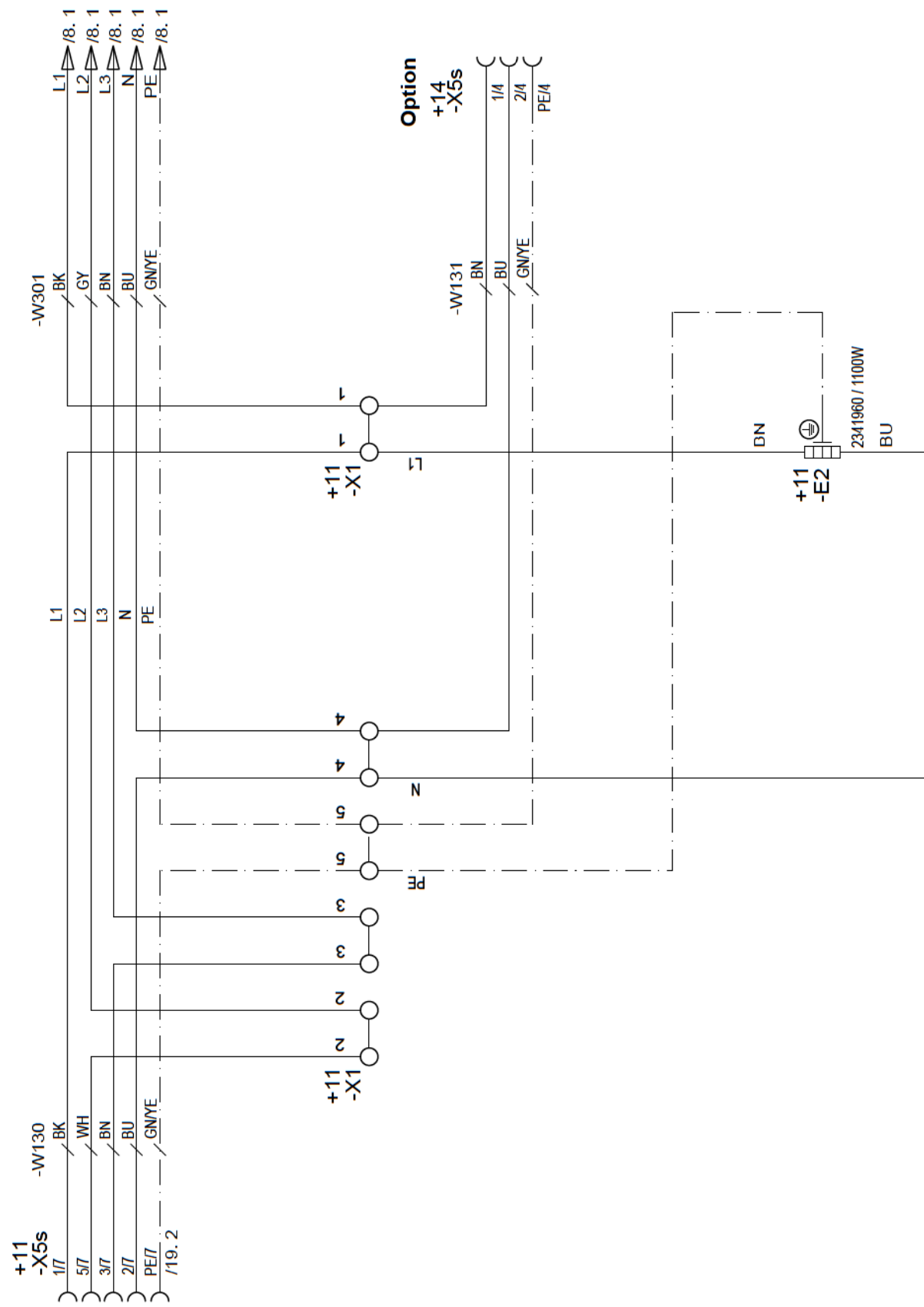
WÖRTEL
WIRTINGER GROUP

| |
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| Document No.: Partial Document No.: Version No.: |
| Series code: 28AB Valid for Serial No.: from 0001 to xxxx |
| Sheet plant: Sheet Location: |

Heizung, TV-Ausziehbohle rechts
heating, TV-extending screed right hand

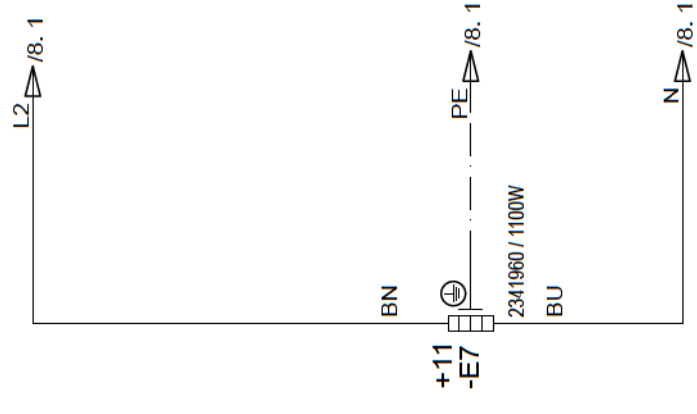
Ausziehbohle AB 220-3 V (28AB)
extending screed AB 220-3 V (28AB)

Heizung, links
heating, left hand



Glätter
screed plate

Ausziehbohle links
extending screed left hand



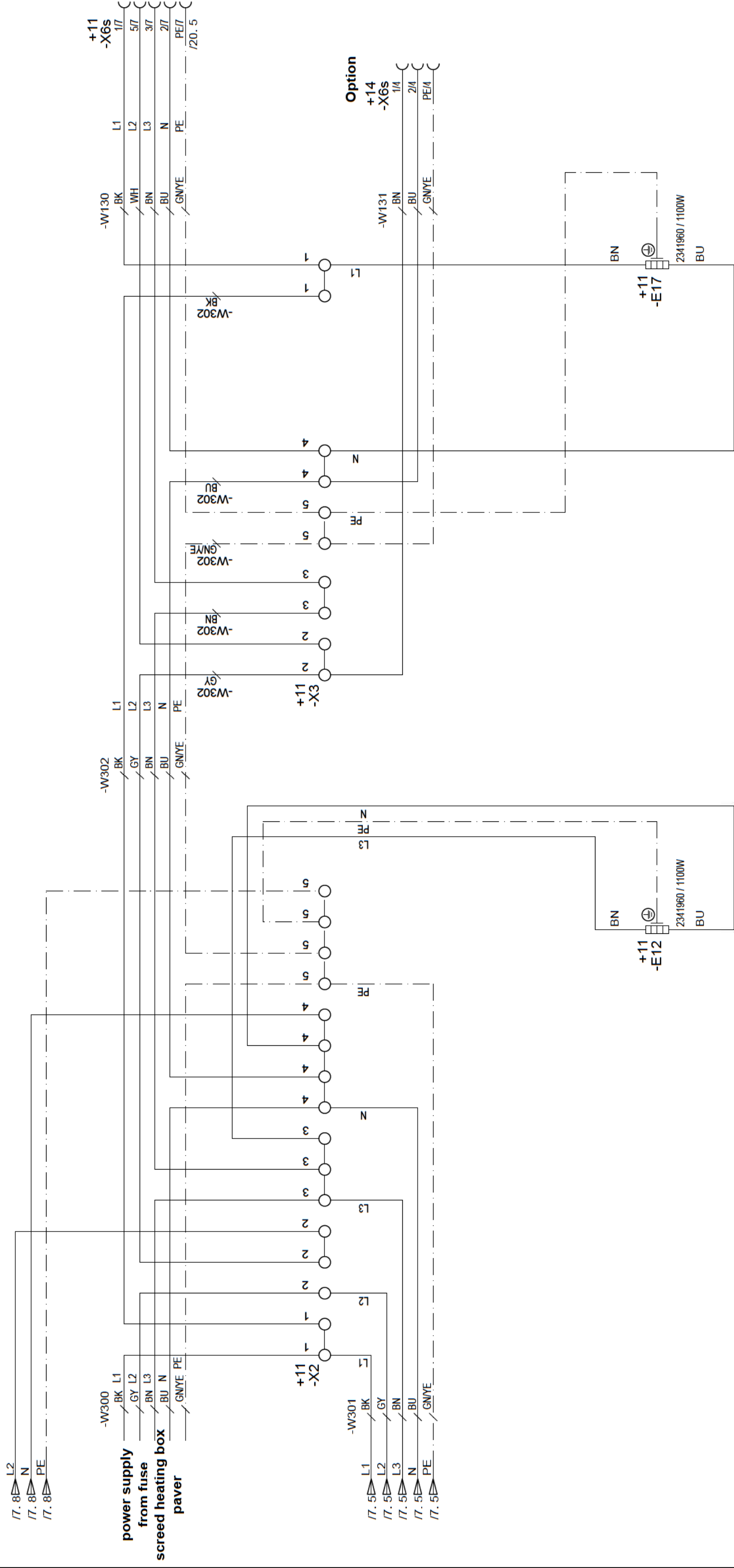
Glätter
screed plate

Grundbohle links
basic screed left

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| | | | | | | | | 0001 to xxxxx | | Sheet Location: | | | |

Ausziehbohle AB 220-3 V (28AB)
extending screed AB 220-3 V (28AB)

Heizung_rechts
heating_right hand



Glätter
screed plate

Glätter
screed plate

Grundbohle rechts
basic screed right

Ausziehbohle rechts
extending screed right hand

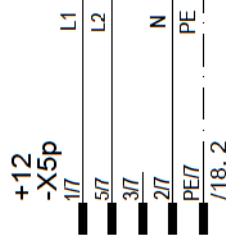
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| Document No.: | Partial Document No.: | Version No.: |
| Series code: | Valid for Serial No.: | |
| 28AB | from 0001 to xxxx | |
| Sheet plant: | Sheet Location: | |

TV-Verbreiterungsteil (VB) 0,65m
TV-extension (VB) 0,65m

Heizung, links
heating, left hand



Option

**Tamper
tamper**

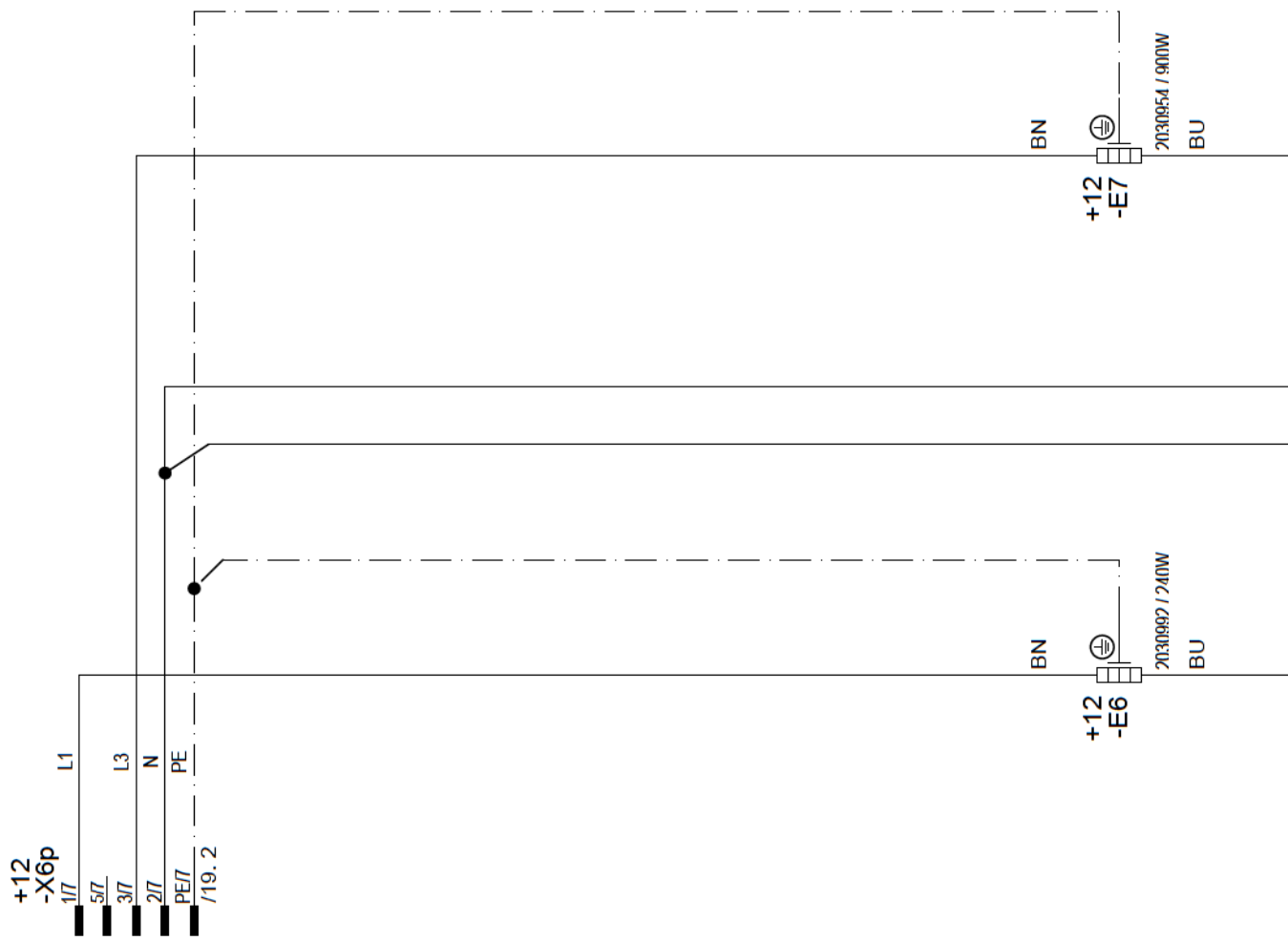
**Glätter
screed plate**

**Verbreiterungsteil, links
extension, left hand**

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| date 24.10.2013 | date 25.10.2013 | date | AE = changeable | 2355988 |
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| Document No.: | Partial Document No.: | Version No.: |
| Series code: | Valid for Serial No.: | |
| 28AB | from 0001 to xxxx | |
| Sheet plant: | Sheet Location: | |
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|---|--|------------------------------|
| Heizung, TV-Verbreiterungsteil 0,65m links | | Sheet |
| heating, TV-extension 0,65m left hand | | 9 of 28 Sheets |



TV-Verbreiterungsteil (VB) 0,65m
TV-extension (VB) 0,65m

Heizung, rechts
heating, right hand

Option

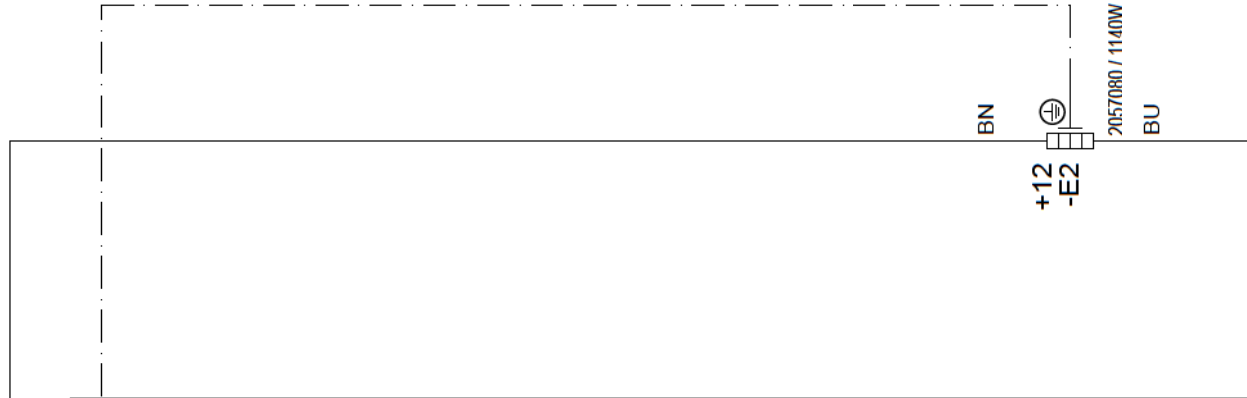
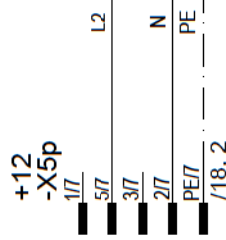
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| E - CAE | | Document type: | | Function group No.: | | SF = serial release | | | |
| | | ESP | | 19 | | | | | |

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| Document No.: | | Partial Document No.: | | Version No.: | |
| Series code: 28AB | | Valid for Serial No.: | | from 0001 to xxxx | |
| Sheet plant: | | Sheet Location: | | | |

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|--|-----------|---|-----------|
| Heizung, TV-Verbreiterungsteil 0,65m rechts | | heating, TV-extension 0,65m right hand | |
| Sheet: | 10 | of | 28 |
| | | Sheets | |

V-Verbreiterungsteil (VB) 0,65m
V-extension (VB) 0,65m

Heizung, links
heating, left hand



Option

Glätter
screed plate

Verbreiterungsteil, links
extension, left hand

| | | | | | |
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| Drawing by: | | Approved by: | | last change: | |
| date | 24.10.2013 | date | 25.10.2013 | date | |
| name | Heindt | name | Berlinghof | name | |
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| | | ESP | | 19 | |

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| PF = prototype release | 00_00_00 |
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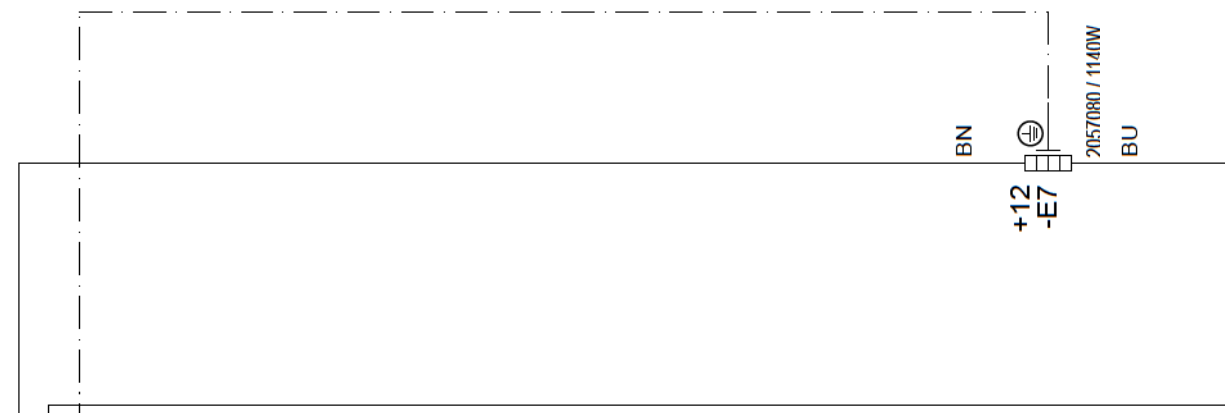


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| Document No.: | | Partial Document No.: | | Version No.: | |
| Series code: | | Valid for Serial No.: | | | |
| 28AB | | from 0001 to xxxxx | | | |
| Sheet plant: | | Sheet Location: | | | |

Heizung, V-Verbreiterungsteil 0,65m links
heating, V-extension 0,65m left hand

+12
-X6p
1/I
5/I
3/I
2/I
PE/I
/19,5

L3
N
PE



V-Verbreiterungsteil (VB) 0,65m
V-extension (VB) 0,65m

Heizung. rechts
heating. right hand

Option

Glätter
screed plate

Verbreiterungsteil, rechts
extension, rechts

| | | | | |
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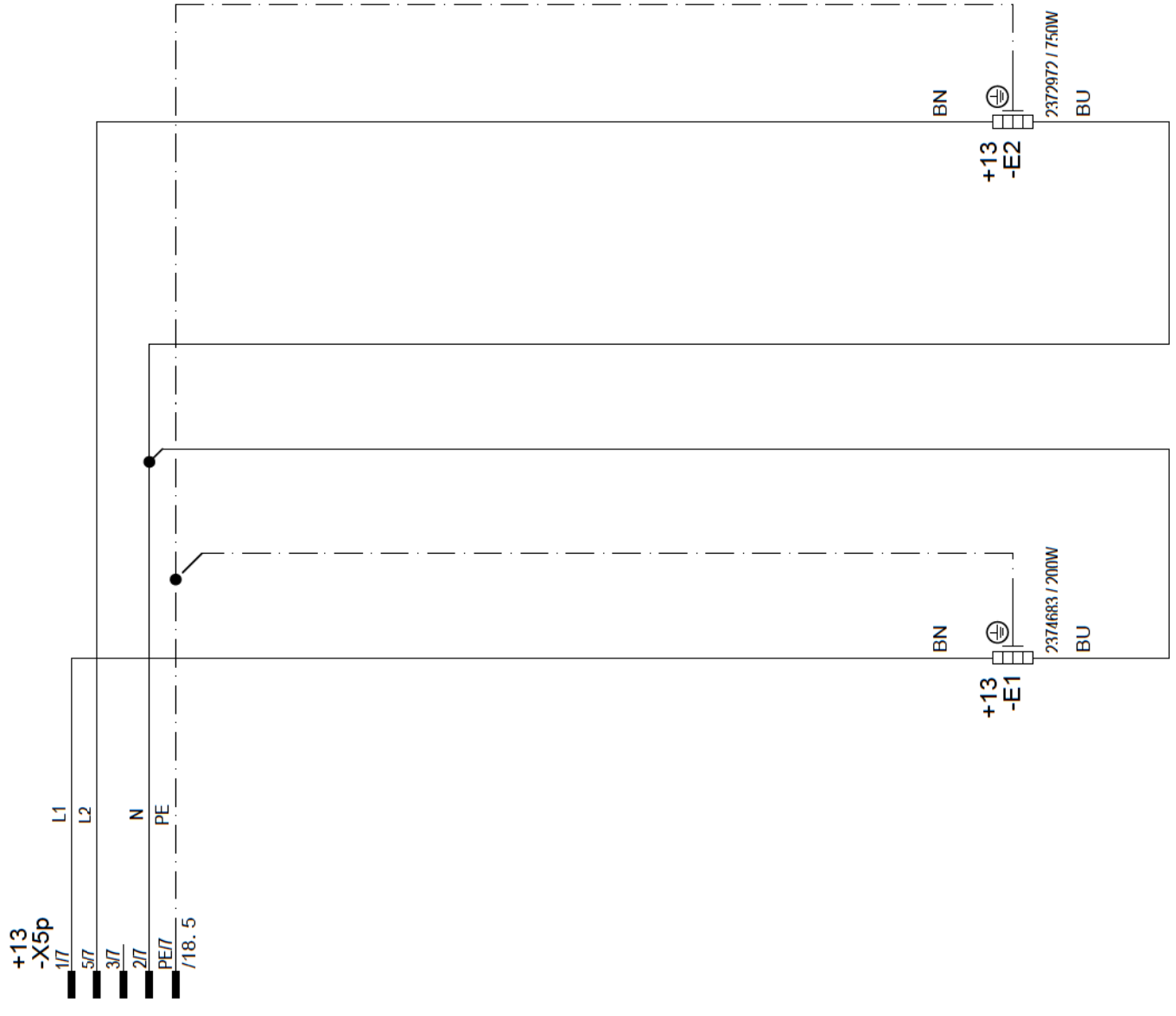
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| Series code: 28AB | Valid for Serial No.: from 0001 to xxxx |
| Sheet plant: Sheet Location: | |

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| WIRTGEN GROUP | VÖGELE |
|----------------------|---------------|

Heizung, V-Verbreiterungsteil 0,65m rechts
heating, V-extension 0,65m right hand

IV-Verbreiterungsteil (VB) 0.5m
IV-extension (VB) 0.5m

Heizung, links
heating, left hand



Tamper
tamper

Glätter
screed plate

Verbreiterungsteil, links
extension, left hand

| | |
|-------|----|
| +13 | L1 |
| -X5p | L2 |
| 1/1 | N |
| 5/7 | PE |
| 3/7 | |
| 2/7 | |
| PE/7 | |
| /18.5 | |

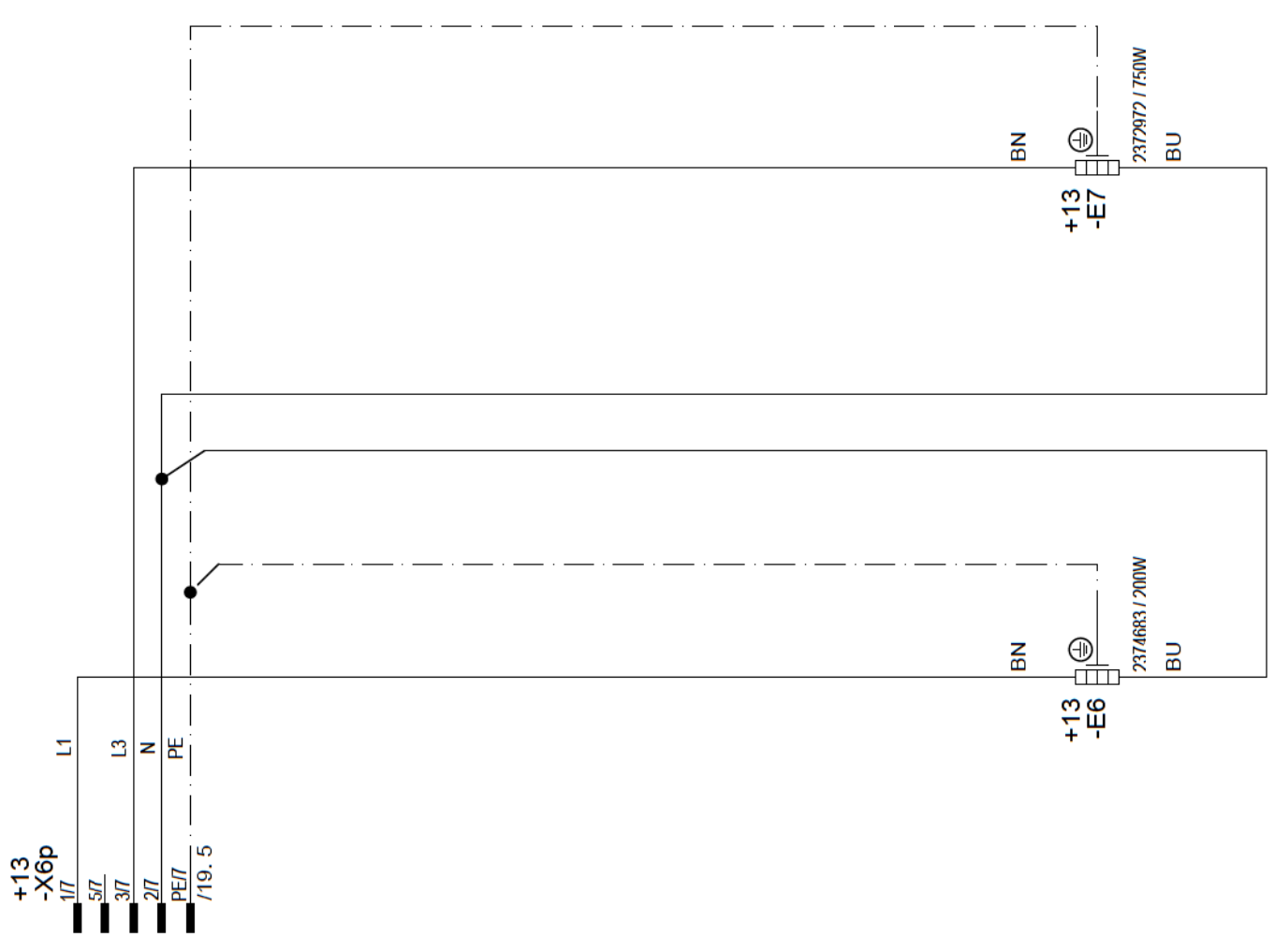
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| Document No.: | Partial Document No.: | Version No.: |
| Series code: 28AB | Valid for Serial No.: | from 0001 to xxxx |
| Sheet plant: | Sheet Location: | |



Heizung, TV-Verbreiterungsteil 0,5m links
heating, TV-extension 0,5m left hand

IV-Verbreiterungsteil (VB) 0.5m Heizung, rechts
 IV-extension (VB) 0.5m heating, right hand



Tammer tamper

Glätter screed plate

Verbreiterungsteil, rechts extension, rechts

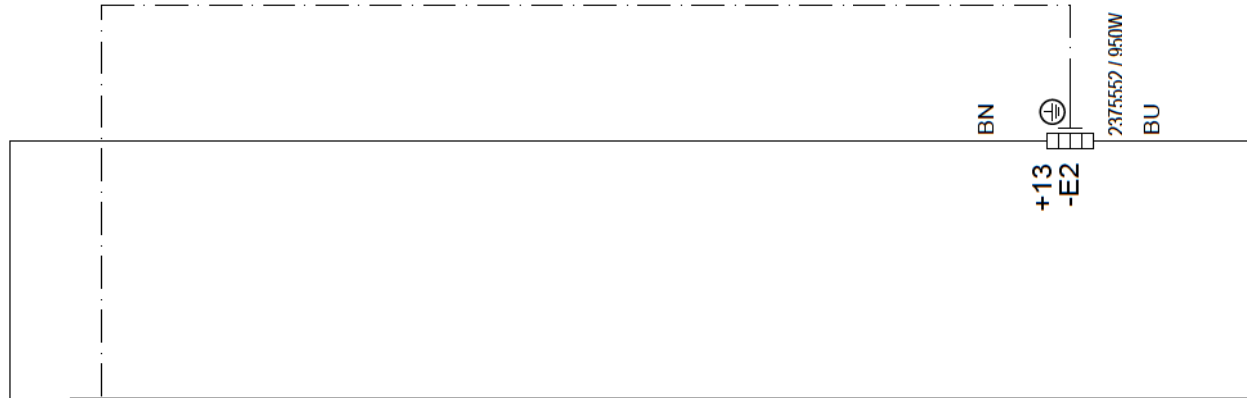
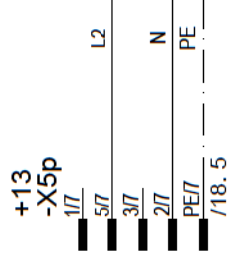
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| Document No.: | | Partial Document No.: | | Version No.: | |
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| 28AB | | from 0001 to xxxx | | | |
| Sheet plant: | | Sheet Location: | | | |

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| Heizung, TV-Verbreiterungsteil 0,5m rechts heating, TV-extension 0,5m right hand | | Sheet 14 of 28 Sheets |
|--|--|-----------------------|

V-Verbreiterungsteil (VB) 0,5m
V-extension (VB) 0,5m

Heizung, links
heating, left hand



Glätter
screed plate

Verbreiterungsteil, links
extension, left hand

| | | | | | | | | | |
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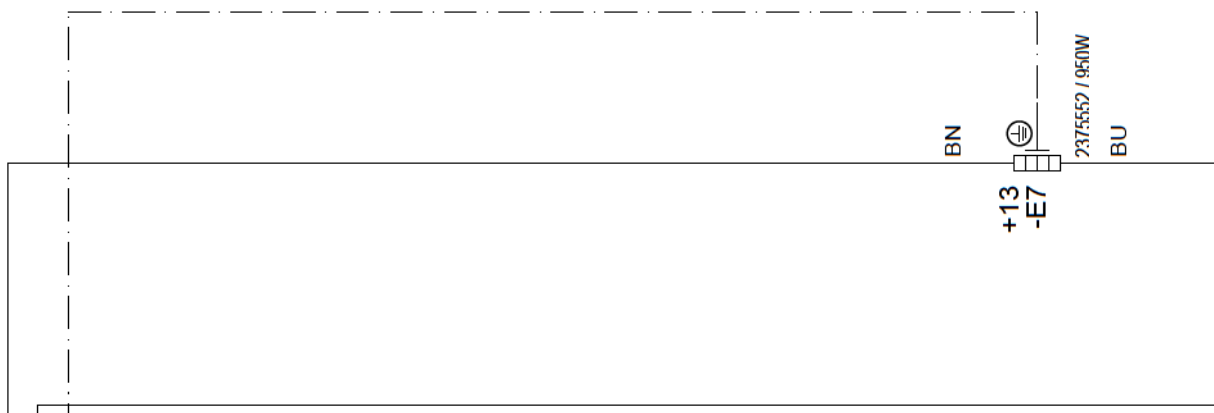
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| 28AB | | from 0001 to xxxxx | | | |
| Sheet plant: | | Sheet Location: | | | |

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| 28AB | | from 0001 to xxxxx | | | |
| Sheet plant: | | Sheet Location: | | | |

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| Document No.: | | Partial Document No.: | | Version No.: | |
| Series code: | | Valid for Serial No.: | | | |
| 28AB | | from 0001 to xxxxx | | | |
| Sheet plant: | | Sheet Location: | | | |

+13
-X6p
1/1
5/1
3/1
2/1
PE/1
/19,8

L3
N
PE



V-Verbreiterungsteil (VB) 0,5m
V-extension (VB) 0,5m

Heizung, rechts
heating, right hand

Glätter
screed plate

Verbreiterungsteil, rechts
extension, rechts

| | | | | |
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WIRTGEN GROUP

Document No.: Partial Document No.: Version No.:

Series code: **28AB** Valid for Serial No.: from **0001** to **xxxx**

Sheet plant: Sheet Location:

Heizung, V-Verbreiterungsteil 0,5m rechts
heating, V-extension 0,5m right hand

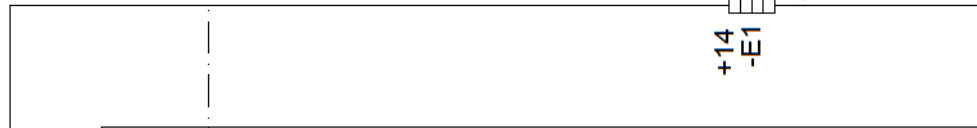
Option

Kantenheizung
edge heating

+14
-X5p
1/4

2/4

PE/4



+14
-E1

BN

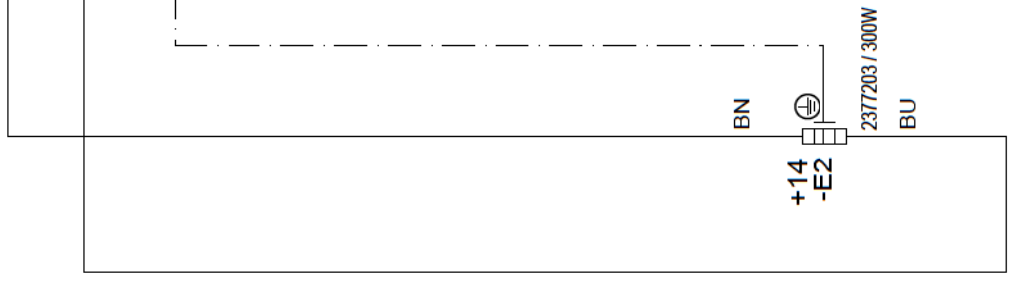
2377203 / 300W
BU

Linke Seite
left hand

+14
-X6p
1/4

2/4

PE/4



+14
-E2

BN

2377203 / 300W
BU

Rechte Seite
right hand

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| E - CAE | Document type: | Function group No.: | SF | 00_00_00 | from 0001 to xxxx | |
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| | | | | | Sheet Location: | |

ESP

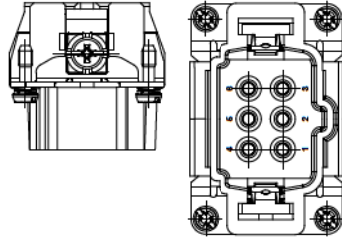
Kantenheizung
edge heating



| Anschluss | Signal | Querverweis |
|-----------|--------|-------------|
| 1 | L1 | /9.1 |
| 2 | N | /9.1 |
| 3 | | /9.1 |
| 4 | | |
| 5 | L2 | /9.1 |
| 6 | PE | /9.1 |

+12
-X5p

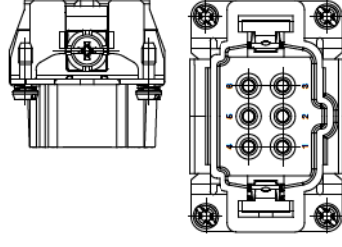
Versorgung links, Verbreiterungsteil 0,6m
power supply left hand, extension 0,6m



| Anschluss | Signal | Querverweis |
|-----------|--------|-------------|
| 1 | L1 | /13.1 |
| 2 | N | /13.1 |
| 3 | | /13.1 |
| 4 | | |
| 5 | L2 | /13.1 |
| 6 | PE | /13.1 |

+13
-X5p

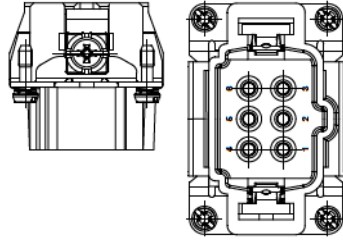
Versorgung links, Verbreiterungsteil 0,6m
power supply left hand, extension 0,6m



| Anschluss | Signal | Querverweis |
|-----------|--------|-------------|
| 1 | | /11.1 |
| 2 | N | /11.1 |
| 3 | | /11.1 |
| 4 | | |
| 5 | L2 | /11.1 |
| 6 | PE | /11.1 |

+12
-X5p

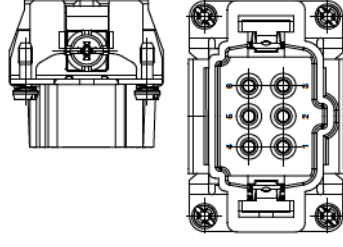
Versorgung links, Verbreiterungsteil 0,6m
power supply left hand, extension 0,6m



| Anschluss | Signal | Querverweis |
|-----------|--------|-------------|
| 1 | | /15.1 |
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| 3 | | /15.1 |
| 4 | | |
| 5 | L2 | /15.1 |
| 6 | PE | /15.1 |

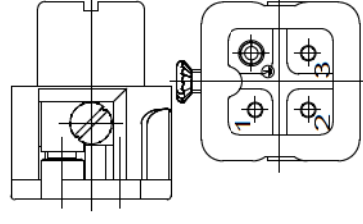
+13
-X5p

Versorgung links, Verbreiterungsteil 0,6m
power supply left hand, extension 0,6m



| Anschluss | Signal | Querverweis |
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| 2 | N | /5.5 |
| 3 | | |
| PE | PE | /5.5 |

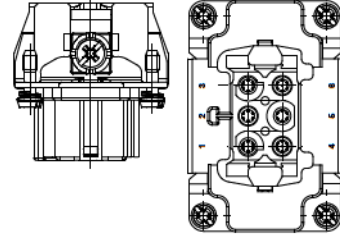
+14
-X5s



| Anschluss | Signal | Querverweis |
|-----------|--------|-------------|
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| 2 | N | /5.1 |
| 3 | L3 | /5.1 |
| 4 | | |
| 5 | L2 | /5.1 |
| 6 | PE | /5.1 |

+11
-X5s

Abgang links, Ausziehbohle
outlet left hand, extending screed



| | | | |
|--------------------|---------------------------|-------------------------------|------------------------|
| Drawing by: | Approved by: | last change: | Status: |
| date 24.10.2013 | date 25.10.2013 | date | AE = change |
| name Heindt | name Berlinghof | name | PF = prototype release |
| E - CAE | Document type: ESP | Function group No.: 45 | SF = serial release |

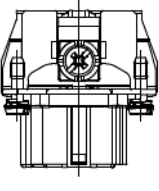
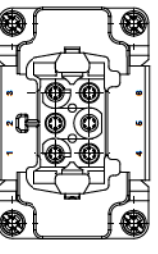
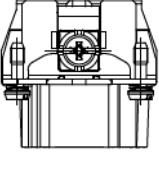
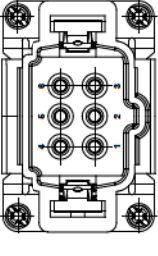
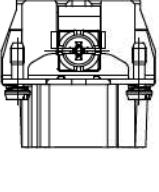
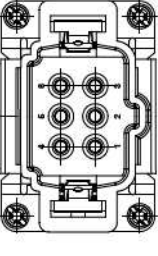
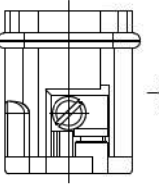
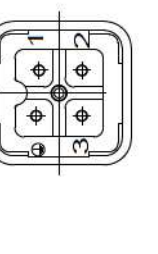
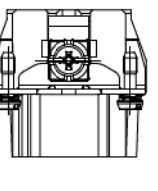
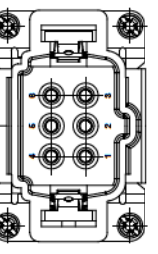
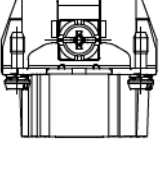
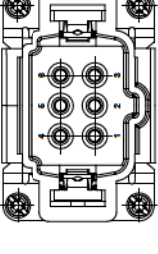
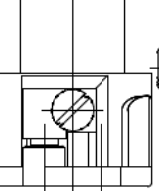
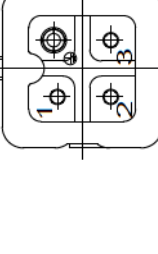
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Steckerverzeichnis
table of connectors

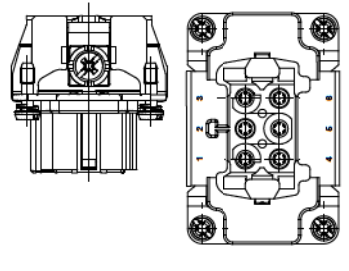
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| +11 -X5s Abgang links, Ausziehbohle outlet left hand, extending screed | |   | | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td>L1</td><td>/17.1</td></tr> <tr><td>2</td><td>N</td><td>/17.1</td></tr> <tr><td>3</td><td>L3</td><td>/17.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/17.1</td></tr> <tr><td>6</td><td>PE</td><td>/17.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | L1 | /17.1 | 2 | N | /17.1 | 3 | L3 | /17.1 | 4 | | | 5 | L2 | /17.1 | 6 | PE | /17.1 | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td>L1</td><td>/12.1</td></tr> <tr><td>2</td><td>N</td><td>/12.1</td></tr> <tr><td>3</td><td>L3</td><td>/12.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/12.1</td></tr> <tr><td>6</td><td>PE</td><td>/12.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | L1 | /12.1 | 2 | N | /12.1 | 3 | L3 | /12.1 | 4 | | | 5 | L2 | /12.1 | 6 | PE | /12.1 | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td></tr> <tr><td>2</td><td>N</td><td>/16.1</td></tr> <tr><td>3</td><td>L3</td><td>/16.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/16.1</td></tr> <tr><td>6</td><td>PE</td><td>/16.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | | | 2 | N | /16.1 | 3 | L3 | /16.1 | 4 | | | 5 | L2 | /16.1 | 6 | PE | /16.1 |
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| 1 | L1 | /17.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | N | /17.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | L3 | /17.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | L2 | /17.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | PE | /17.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anschluss | Signal | Querverweis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | L1 | /12.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | N | /12.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | L3 | /12.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5 | L2 | /12.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | PE | /12.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | N | /16.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | L3 | /16.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5 | L2 | /16.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | PE | /16.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +12 -X6p Versorgung rechts, Verbreiterungsteil 0,6m power supply right hand, extension 0,6m | |   | | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td>L1</td><td>/14.1</td></tr> <tr><td>2</td><td>N</td><td>/14.1</td></tr> <tr><td>3</td><td>L3</td><td>/14.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/14.1</td></tr> <tr><td>6</td><td>PE</td><td>/14.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | L1 | /14.1 | 2 | N | /14.1 | 3 | L3 | /14.1 | 4 | | | 5 | L2 | /14.1 | 6 | PE | /14.1 | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td>L1</td><td>/14.1</td></tr> <tr><td>2</td><td>N</td><td>/14.1</td></tr> <tr><td>3</td><td>L3</td><td>/14.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/14.1</td></tr> <tr><td>6</td><td>PE</td><td>/14.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | L1 | /14.1 | 2 | N | /14.1 | 3 | L3 | /14.1 | 4 | | | 5 | L2 | /14.1 | 6 | PE | /14.1 | | | | | | | | | | | | | | | | | | | | | | | |
| Anschluss | Signal | Querverweis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3 | L3 | /14.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5 | L2 | /14.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | PE | /14.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anschluss | Signal | Querverweis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | L1 | /14.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | N | /14.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | L3 | /14.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5 | L2 | /14.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | PE | /14.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| +13 -X6p Versorgung rechts, Verbreiterungsteil 0,6m power supply right hand, extension 0,6m | |   | | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td>L1</td><td>/14.1</td></tr> <tr><td>2</td><td>N</td><td>/14.1</td></tr> <tr><td>3</td><td>L3</td><td>/14.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/14.1</td></tr> <tr><td>6</td><td>PE</td><td>/14.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | L1 | /14.1 | 2 | N | /14.1 | 3 | L3 | /14.1 | 4 | | | 5 | L2 | /14.1 | 6 | PE | /14.1 | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td>L1</td><td>/14.1</td></tr> <tr><td>2</td><td>N</td><td>/14.1</td></tr> <tr><td>3</td><td>L3</td><td>/14.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/14.1</td></tr> <tr><td>6</td><td>PE</td><td>/14.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | L1 | /14.1 | 2 | N | /14.1 | 3 | L3 | /14.1 | 4 | | | 5 | L2 | /14.1 | 6 | PE | /14.1 | | | | | | | | | | | | | | | | | | | | | | | |
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| +12 -X6p Versorgung rechts, Verbreiterungsteil 0,6m power supply right hand, extension 0,6m | |   | | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td>L1</td><td>/10.1</td></tr> <tr><td>2</td><td>N</td><td>/10.1</td></tr> <tr><td>3</td><td>L3</td><td>/10.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/10.1</td></tr> <tr><td>6</td><td>PE</td><td>/10.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | L1 | /10.1 | 2 | N | /10.1 | 3 | L3 | /10.1 | 4 | | | 5 | L2 | /10.1 | 6 | PE | /10.1 | <table border="1"> <thead> <tr> <th>Anschluss</th> <th>Signal</th> <th>Querverweis</th> </tr> </thead> <tbody> <tr><td>1</td><td>L1</td><td>/10.1</td></tr> <tr><td>2</td><td>N</td><td>/10.1</td></tr> <tr><td>3</td><td>L3</td><td>/10.1</td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>5</td><td>L2</td><td>/10.1</td></tr> <tr><td>6</td><td>PE</td><td>/10.1</td></tr> </tbody> </table> | | Anschluss | Signal | Querverweis | 1 | L1 | /10.1 | 2 | N | /10.1 | 3 | L3 | /10.1 | 4 | | | 5 | L2 | /10.1 | 6 | PE | /10.1 | | | | | | | | | | | | | | | | | | | | | | | |
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| 2 | N | /6.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| PE | PE | /6.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

**+11
-X6s**

| Anschluss Pin | Signal | Querverweis cross-reference |
|------------------|--------|--------------------------------|
| 1 | L1 | /B. 8 |
| 2 | N | /B. 8 |
| 3 | L3 | /B. 8 |
| 4 | | |
| 5 | L2 | /B. 8 |
| 6 | PE | /B. 8 |

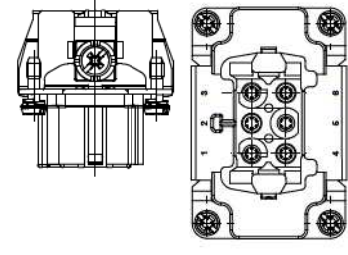
Abgang rechts, Ausziehbohle
outlet right hand, extending screed



**+11
-X6s**

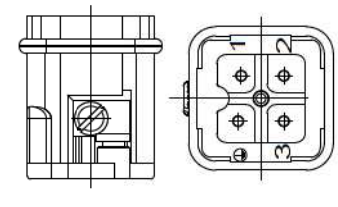
| Anschluss Pin | Signal | Querverweis cross-reference |
|------------------|--------|--------------------------------|
| 1 | L1 | /B. 8 |
| 2 | N | /B. 8 |
| 3 | L3 | /B. 8 |
| 4 | | |
| 5 | L2 | /B. 8 |
| 6 | PE | /B. 8 |

Abgang rechts, Ausziehbohle
outlet right hand, extending screed



**+14
-X6p**

| Anschluss Pin | Signal | Querverweis cross-reference |
|------------------|--------|--------------------------------|
| 1 | L2 | /17. 7 |
| 2 | N | /17. 7 |
| 3 | PE | /17. 7 |



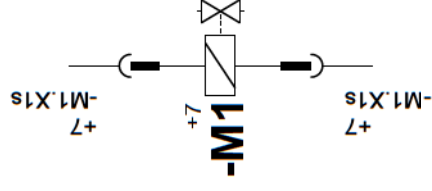
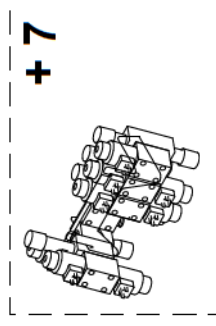
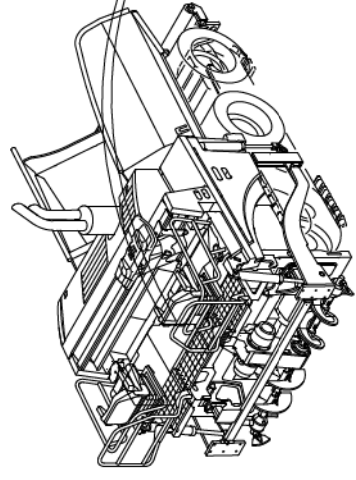
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| Drawing by: | last change: | Status: | Material No.: |
| date 24.10.2013 | date | AE = changeable | 2355988 |
| name Heindt | name Berlinghof | PF = prototype release | Revision No.: |
| E - CAE | Document type: ESP | SF = serial release | 00_00_00 |
| | Function group No.: 45 | | |

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| Document No.: Partial Document No.: Version No.: |
| Series code: 28AB |
| Valid for Serial No.: from 0001 to xxxx |
| Sheet plant: Sheet Location: |




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|--|---|
| Document No.: Partial Document No.: Version No.: | Steckerverzeichnis table of connectors |
|--|---|

Aufbau Betriebsmittelkennzeichen / device designation configuration



+ Ortskennzeichen
location designation

- Art / Zählnummer
type / number

• Gerätesteckerbezeichnung
connector designation

: Anschluss
pin

| | | | | |
|--------------------|---------------------|---------------------|------------------------|----------------------|
| Drawing by: | Approved by: | last change: | Status: | Material No.: |
| date 24.10.2013 | date 25.10.2013 | date | AE = changeable | 2355988 |
| name Heindtel | name Berlinghof | name | PF = prototype release | Revision No.: |
| E - CAE | Document type: | Function group No.: | SF | 00_00_00 |
| | | ESP | SF = serial release | |

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|----------------------|---------------------------------|---------------------|
| Document No.: | Partial Document No.: | Version No.: |
| Series code: | Valid for Serial No.: | |
| 28AB | from 0001 to xxxx | |
| Sheet plant: | Sheet Location: | |



Erklärung Aufbau Betriebsmittelkennzeichen
Explanation device designation layout

Gerätekenbuchstaben, elektrisch (beispielhaft) / device code letter, electric (exemplified)

| <u>Gerätekenbuchstabe/ device code letter</u> | <u>Deutsch</u> | <u>English</u> | <u>Gerätekenbuchstabe/ device code letter</u> | <u>Deutsch</u> | <u>English</u> |
|---|---|---|---|---|--|
| - A | Bauteile mit zwei oder mehr Aufgaben Dieselmotor Radio | devices with two or more tasks diesel engine radio | - P | Hupe Leuchtdiode Signallampe Fahrtenschreiber anzeigendes Messgerät | horn light emitting diode signal lamp tachograph displaying measuring instrument |
| - B | Sensor Näherungsschalter Messwandler | sensor proximity switch measuring transformer | - R | Diode Widerstand | diode resistor |
| - C | Kondensator | capacitor | - S | Schalter | switch |
| - E | Heizung Lampe Leuchte | heating lamp light | - T | Gleichrichter Verstärker Transformator Frequenzwandler | rectifier amplifier transformer frequency converter |
| - F | Sicherung Leitungsschutzschalter Motorschutzschalter | fuse circuit breaker motor protection switch | - W | Kabel Elektrische Leitung Sammelschiene | cable wire bus bar |
| - G | Batterie Generator | battery generator | - X | Klemme Klemmenleiste Steckdose | terminal terminal strip outlet |
| - K | Relais Schütz Regler Prozessrechner SPS-Steuerung | relay contactor controller process computer programmable logic controller (PLC) | | | |
| - M | Elektromotor Betätigungsspule | electric motor coil | | | |

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|--------------------|---------------------------|-------------------------------|------------------------|
| Drawing by: | Approved by: | Last change: | Status: |
| date 24.10.2013 | date 25.10.2013 | date | AE = changeable |
| name Heindt | name Berlinghof | name | PF = prototype release |
| E - CAE | Document type: ESP | Function group No.: 19 | SF = serial release |

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| Material No.: 2355988 | Revision No.: 00_00_00 |
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|---|---|
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| Sheet plant: | Sheet Location: |

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| Erklärung Gerätekenbuchstaben, elektrisch Explanation device code letter, electric |
|---|

Gerätekenbuchstaben, hydraulisch (beispielhaft) / device code letter, hydraulic (exemplified)

| <u>Gerätekenbuchstabe / device code letter</u> | <u>Deutsch</u> | <u>English</u> |
|--|--|---|
| - HA | Ventilblock | valve-block |
| - HG | Hydraulikpumpe | hydraulic pump |
| - HK | Mengenteiler Prioritätsventil Stromregelventil hydraulisch | flow divider priority valve hydraulic flow control valve |
| - HM | Hydraulikmotor Hydraulikzylinder | hydraulic motor hydraulic cylinder |
| - HQ | Bremsventil Kugelhahn Lenkeinheit Wegeventil | braking valve ball valve steering unit direction control valve |
| - HV | Hydraulikfilter | hydraulic filter |
| - Ma | Ventil Magnetspule a | valve coil a |
| - Mb | Ventil Magnetspule b | valve coil b |

Bezeichnungen Versorgungsspannungen / designations supply voltages

| <u>Versorgungsspg./ supply voltages</u> | <u>Deutsch</u> | <u>English</u> |
|---|--------------------------------------|------------------------------------|
| UB | Dauerversorgungsspannung | supply, continuous-voltage |
| US | Versorgung, allgemein | supply, general |
| UL | Logikversorgung | supply logic |
| UI | Zündung | supply ignition |
| UR | Analogversorgung, (Referenzspannung) | supply analog, (reference voltage) |
| UP | Leistungsversorgung | supply, power |
| GND | Masse | ground |
| AGND | Masse, analog | ground, analog |

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date 24.10.2013
name Heindt

Approved by:
date 25.10.2013
name Berlinghof

Last change:
date
name
Function group No.:
19

Status:
AE = changeable
PF = prototype release
SF = serial release
SF

Material No.:
2355988
Revision No.:
00_00_00
















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Valid for Serial No.:
from 0001 to xxxx
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Erklärung hydr. BMK, Versorgungsspg.
explanation hydr. code letter, supply voltages

Sheet:
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of
28
Sheets

Symbolerklärungen * / symbol explanations *

| Symbol/ symbol | Bedeutung/ standing | Symbol/ symbol | Bedeutung/ standing |
|---|---|--|---|
| SUPPLY 24V DC | Spannungsversorgung power supply | OUT  | Rechteckgenerator square-wave generator |
| SUPPLY  | Masse ground | ECU  | Anschluss Motorsteuergerät connection to engine control unit |
| SUPPLY PE | Schutzleiter protection earth | | |
| COM CAN bus | CAN Busleitung CAN bus line | | |
| COM  | Abschlusswiderstand terminating resistor | | |
| COM RS 232 | RS 232 Schnittstellenleitung RS 232 interface circuit | | |
| 0  1 | Digitaleingang (allgemein) digital input (in general) | | |
| IN  | Pulseingang pulse input | | |
| IN  | Zählereingang counter input | | |
| IN  | Spannungseingang voltage input | | |
| IN  | Stromeingang current input | | |
| IN  | Widerstandseingang resistance input | | |
| IN  | Frequenzeingang frequency input | | |
| OUT  | Digitalausgang digital output | | |
| OUT  | Pulsweitenmodulationsausgang pulse width modulation output | | |
| OUT 0...20mA | analoge Stromquelle analogue current supply | | |

*Standardsymbole sind von DIN EN 60671 abgeleitet
Standard symbols are derived from DIN EN 60617

Erklärung SPS-Adressen / explanation SPS-addresses

| Gerätebuchstabe/ device code letter | Deutsch | English |
|--|------------------------|-------------------------------|
| ID | digitaler Eingang | digital input |
| IU | Spannungseingang | voltage input |
| II | Stromeingang | current input |
| IC | Zähleingang | counter input |
| IF | Frequenzeingang | frequency input |
| ID_Test | Testeingang, digital | test input, digital |
| QD | digitaler Ausgang | digital input |
| QI | Stromausgang | current output |
| QPWM | Pulsweitenmodulation | pulse-width-modulation-output |
| QD_Error | Fehlerausgang, digital | fault output, digital |

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| E - CAE | Document type: | Function group No.: | SF |
| | ESP | 19 | SF - serial release |

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| Sheet plant: | Sheet Location: | |

Erklärung SPS-Adressen / Symbole
explanation SPS-addresses/symbols

Linienformate / line formats

Farbbezeichnungen / colour designations

| Linienart / line type | Linienstärke / Grafik / line thickness / graphic | Bedeutung / standing | Abkürzungen Farbbezeichnungen / colour abbreviations | Deutsch | English |
|--|---|---|---|---------|-----------|
| Volllinie / solid line | ————— 0,25mm | Standard / standard | BU | blau | blue |
| Strichpunktlinie / dash-dotted line | - · - · - · - 0,25mm | PE (Schutzerde) / PE (protecting earth) | BN | braun | brown |
| Strichlinie / dashed line | - - - - - 0,25mm | Bauteilumrandung, bzw. Zusammengehörigkeit / component border, togetherness | YE | gelb | yellow |
| Strichlinie / dashed line | - - - - - 0,25mm | Optionen / options | GN | grün | green |
| Punktlinie / dotted line | · · · · · 0,75mm | Leiterbahnverbindungen einer Platine (nicht als Drahtleitung ausgeführte Verbindung) / conductor line of a edge board | GY | grau | grey |
| | | | OG | orange | orange |
| | | | PK | rosa | pink |
| | | | RD | rot | red |
| | | | BK | schwarz | black |
| | | | TQ | türkis | turquoise |
| | | | VT | violett | violet |
| | | | WH | weiss | white |

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date 25.10.2013
name Berlinghof

last change:
date
name

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Sheet plant:
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Erklärung Linienformate, Farbbezeichnungen
explanation line formats, colour designation

Sheet

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of

28
Sheets

| Ort / location | Beschreibung / description | Ort / location | Beschreibung / description |
|----------------|--|----------------|----------------------------|
| 4 | Bohlensteuerungs-/Nivellierschnittstelle screed control- /levelling system- interface | | |
| 5 | Heizungskasten screed heating box | | |
| 11 | Grundbohle basic screed | | |
| 12 | Verbreiterungsteil 0,6m extension 0,6m | | |
| 13 | Verbreiterungsteil 0,5m extension 0,5m | | |

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| | ESP | 19 | SF = serial release | |

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Sheet plant: Sheet Location:




Erklärung

Anschluss Drehstromleitungen

- L1 = schwarz
- L2 = grau
- L3 = braun

Codierung Stecker

Zugang Anbauteil - Sperrbolzen bei Pin 3 und 6

explanation

connection three-phase wires

- L1 = black
- L2 = grey
- L3 = brown

coding connector

input widening - locking at pin 3 and 6

| | | | | | | |
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| | ESP | 19 | | | Sheet plant: | |
| | | | | | Sheet Location: | |

Erklärung Bohle
explanation screed

| Betriebsmittelkennzeichen / Device designation | Blatt / Sheet | Betriebsmittelkennzeichen / Device designation | Blatt / Sheet | Betriebsmittelkennzeichen / Device designation | Blatt / Sheet |
|---|------------------|---|------------------|---|------------------|
| +5 -F8 | /6. 1 | +12 -E2 | /11. 4 | | |
| +5 -F8 | /8. 1 | +12 -E6 | /10. 2 | | |
| +5 -F8 | /8. 1 | +12 -E7 | /10. 3 | | |
| +5 -F8 | /8. 1 | +12 -E7 | /12. 3 | | |
| +5 -F8 | /6. 1 | +12 -X5p | /18. 2 | | |
| +5 -F8 | /6. 1 | +12 -X5p | /18. 2 | | |
| +5 -F8 | /6. 1 | +12 -X6p | /19. 2 | | |
| +5 -F8 | /6. 1 | +12 -X6p | /19. 5 | | |
| +5 -F8 | /8. 1 | +13 -E1 | /13. 2 | | |
| +5 -F8 | /8. 1 | +13 -E2 | /13. 4 | | |
| +11 -E1 | /5. 2 | +13 -E2 | /15. 4 | | |
| +11 -E11 | /6. 3 | +13 -E6 | /14. 2 | | |
| +11 -E12 | /6. 4 | +13 -E7 | /14. 3 | | |
| +11 -E12 | /8. 4 | +13 -E7 | /16. 3 | | |
| +11 -E16 | /6. 5 | +13 -X5p | /18. 5 | | |
| +11 -E17 | /6. 7 | +13 -X5p | /18. 5 | | |
| +11 -E17 | /8. 7 | +13 -X6p | /19. 5 | | |
| +11 -E2 | /5. 4 | +13 -X6p | /19. 8 | | |
| +11 -E2 | /7. 4 | +14 -E1 | /17. 3 | | |
| +11 -E6 | /5. 6 | +14 -E2 | /17. 7 | | |
| +11 -E7 | /5. 7 | +14 -X5p | /19. 2 | | |
| +11 -E7 | /7. 7 | +14 -X5s | /18. 8 | | |
| +11 -X5s | /18. 8 | +14 -X6p | /20. 5 | | |
| +11 -X5s | /19. 2 | +14 -X6s | /19. 8 | | |
| +11 -X6s | /20. 2 | | | | |
| +11 -X6s | /20. 5 | | | | |
| +12 -E1 | /9. 2 | | | | |
| +12 -E2 | /9. 4 | | | | |

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| | ESP | | |

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| 28AB | from 0001 to xxxxx | |
| Sheet plant: | Sheet Location: | |

Betriebsmittelliste
device list

Sheet:
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Sheets