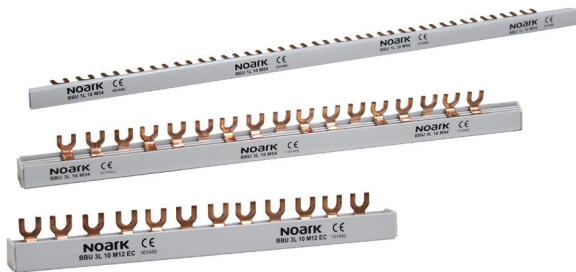


# Busbars BBU, BBP and BBUE

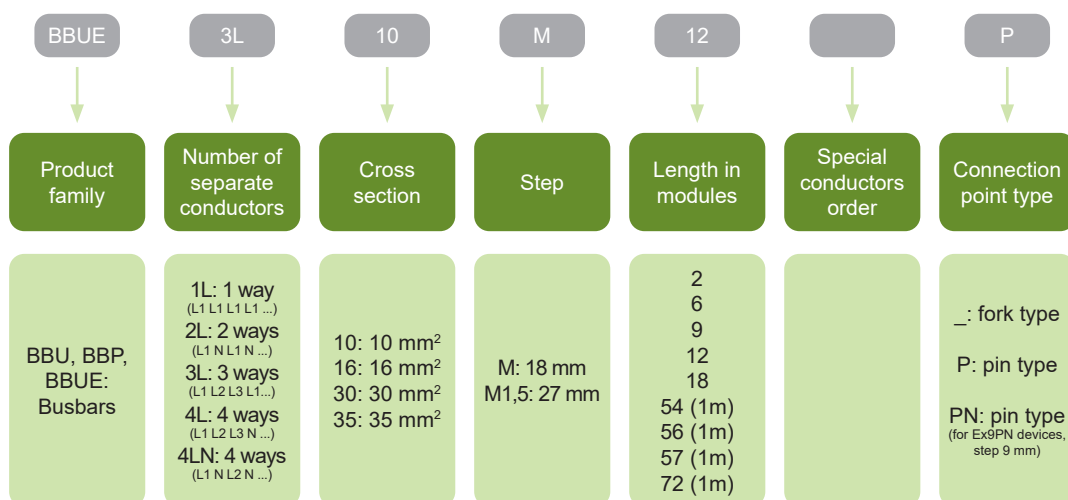


- Busbars BBU, BBP and BBUE for connection of installation devices
- 1, 2, 3 and 4-pole versions
- 10 mm<sup>2</sup> for 63 A, 16 mm<sup>2</sup> for 80 A and 35 mm<sup>2</sup> for 125 A circuits
- 1 meter long or shortened versions
- Fork and pin type connection points
- 9, 13.5, 18 or 27 mm connection point step
- Tailored versions for specific combinations of Noark devices

Busbars for simple and reliable interconnection of installation devices.

Some versions are equipped with end caps. There are available separately packed end caps for all types of busbars.

## Type Key



## Certification mark



# Busbars BBU

## 1 meter BBU busbars

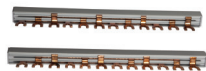
- 1 and 3-phase busbars
- With 54 fork type connection points
- 10 mm<sup>2</sup> for rated current up to 63 A  
16 mm<sup>2</sup> for rated current up to 80 A
- Delivered without end caps



| Number of phases | Length MU | Cross section      | Article No. | Type          | Packing |
|------------------|-----------|--------------------|-------------|---------------|---------|
| 1                | 54 MU     | 10 mm <sup>2</sup> | 101446      | BBU 1L 10 M54 | 1/100   |
| 1                | 54 MU     | 16 mm <sup>2</sup> | 101447      | BBU 1L 16 M54 | 1/100   |
| 3                | 54 MU     | 10 mm <sup>2</sup> | 101448      | BBU 3L 10 M54 | 1/50    |
| 3                | 54 MU     | 16 mm <sup>2</sup> | 101449      | BBU 3L 16 M54 | 1/50    |

## Shortened BBU busbars

- 3-phase busbars
- 10 mm<sup>2</sup> for rated current up to 63 A  
16 mm<sup>2</sup> for rated current up to 80 A
- Delivered with end caps



| Number of phases | Length MU | Cross section      | Article No. | Type             | Packing  |
|------------------|-----------|--------------------|-------------|------------------|----------|
| 3                | 12 MU     | 10 mm <sup>2</sup> | 101450      | BBU 3L 10 M12 EC | 1/10/200 |
| 3                | 12 MU     | 16 mm <sup>2</sup> | 101451      | BBU 3L 16 M12 EC | 1/10/200 |
| 3                | 6 MU      | 10 mm <sup>2</sup> | 110830      | BBU 3L 10 M6 EU  | 1/5/400  |
| 3                | 6 MU      | 16 mm <sup>2</sup> | 110832      | BBU 3L 16 M6 EU  | 1/5/400  |
| 3                | 9 MU      | 10 mm <sup>2</sup> | 110831      | BBU 3L 10 M9 EU  | 1/5/250  |
| 3                | 9 MU      | 16 mm <sup>2</sup> | 110833      | BBU 3L 16 M9 EU  | 1/5/250  |

# Busbars BBP

## 1 meter pin type busbars

- 1 and 3-phase busbars
- With 54 pin type connection points
- 10 mm<sup>2</sup> for rated current up to 63 A
- Delivered without end caps



| Number of phases | Length MU | Cross section      | Article No. | Type             | Packing |
|------------------|-----------|--------------------|-------------|------------------|---------|
| 1                | 54 MU     | 10 mm <sup>2</sup> | 113240      | BBP 1L 10 M54 EU | 1/5/50  |
| 3                | 54 MU     | 10 mm <sup>2</sup> | 113241      | BBP 3L 10 M54 EU | 1/5/20  |

## Pin type shortened busbars

- 1 and 3-phase busbars
- With 54 pin type connection points
- 10 mm<sup>2</sup> for rated current up to 63 A
- Delivered without end caps

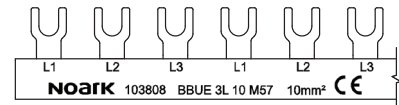


| Number of phases | Length MU | Cross section      | Article No. | Type             | Packing  |
|------------------|-----------|--------------------|-------------|------------------|----------|
| 1                | 12        | 10 mm <sup>2</sup> | 113242      | BBP 1L 10 M12 EU | 1/10/500 |
| 3                | 12        | 10 mm <sup>2</sup> | 113243      | BBP 3L 10 M12 EU | 1/5/180  |

# Busbars BBUE

## 1 meter fork type busbars

- 1, 2, 3 and 4-phase versions
- Length 1 meter (can be shortened)
- Step between connection points 18 mm
- Fork type connection points
- 10 mm<sup>2</sup> for 63 A or 16 mm<sup>2</sup> for 80 A rated current
- Delivered without end caps



| Number of phases | Length MU | Cross section      | Article No. | Type           | Packing |
|------------------|-----------|--------------------|-------------|----------------|---------|
| 1P               | 56 (1m)   | 10 mm <sup>2</sup> | 103798      | BBUE 1L 10 M56 | 1/10    |
| 1P               | 56 (1m)   | 16 mm <sup>2</sup> | 103804      | BBUE 1L 16 M56 | 1/10    |
| 2P               | 56 (1m)   | 10 mm <sup>2</sup> | 103864      | BBUE 2L 10 M56 | 1/10    |
| 2P               | 56 (1m)   | 16 mm <sup>2</sup> | 103865      | BBUE 2L 16 M56 | 1/10    |
| 3P               | 57 (1m)   | 10 mm <sup>2</sup> | 103808      | BBUE 3L 10 M57 | 1/10    |
| 3P               | 57 (1m)   | 16 mm <sup>2</sup> | 103812      | BBUE 3L 16 M57 | 1/10    |
| 4P               | 56 (1m)   | 10 mm <sup>2</sup> | 103816      | BBUE 4L 10 M56 | 1/10    |
| 4P               | 56 (1m)   | 16 mm <sup>2</sup> | 103817      | BBUE 4L 16 M56 | 1/10    |

## Shortened fork type busbars

- 1 and 3-phase versions
- 10 mm<sup>2</sup> for 63 A or 16 mm<sup>2</sup> for 80 A rated current
- Step between connection points 18 mm
- Fork type connection points
- Delivered without end caps



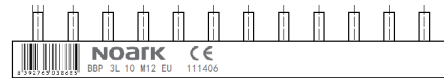
| Number of phases | Length MU | Cross section      | Article No. | Type           | Packing |
|------------------|-----------|--------------------|-------------|----------------|---------|
| 1                | 2         | 10 mm <sup>2</sup> | 103799      | BBUE 1L 10 M2  | 1/25    |
| 1                | 6         | 10 mm <sup>2</sup> | 103800      | BBUE 1L 10 M6  | 1/25    |
| 1                | 9         | 10 mm <sup>2</sup> | 103801      | BBUE 1L 10 M9  | 1/25    |
| 1                | 12        | 10 mm <sup>2</sup> | 103802      | BBUE 1L 10 M12 | 1/25    |
| 1                | 12        | 16 mm <sup>2</sup> | 103805      | BBUE 1L 16 M12 | 1/25    |
| 1                | 18        | 10 mm <sup>2</sup> | 103803      | BBUE 1L 10 M18 | 1/25    |
| 1                | 18        | 16 mm <sup>2</sup> | 103806      | BBUE 1L 16 M18 | 1/25    |
| 3                | 9         | 10 mm <sup>2</sup> | 103809      | BBUE 3L 10 M9  | 1/25    |
| 3                | 9         | 16 mm <sup>2</sup> | 103813      | BBUE 3L 16 M9  | 1/25    |
| 3                | 12        | 10 mm <sup>2</sup> | 103810      | BBUE 3L 10 M12 | 1/25    |
| 3                | 12        | 16 mm <sup>2</sup> | 103814      | BBUE 3L 16 M12 | 1/25    |
| 3                | 18        | 10 mm <sup>2</sup> | 103811      | BBUE 3L 10 M18 | 1/25    |
| 3                | 18        | 16 mm <sup>2</sup> | 103815      | BBUE 3L 16 M18 | 1/25    |



# Busbars BBP and BBUE

## 1 meter special type busbars

- Suitable for 3/4MU Ex9B40J line MCBs
- 10 mm<sup>2</sup> for rated current up to 63 A
- Step between connection points 13,5 mm
- Pin type connection points
- Delivered without end caps
- For 72 slim MCBs in line



| Number of phases | Length 3/4MU | Cross section      | Article No. | Type                    | Packing |
|------------------|--------------|--------------------|-------------|-------------------------|---------|
| 1                | 72           | 10 mm <sup>2</sup> | 113236      | BBP 1L 10 M72 13.5mm EU | 1/10/50 |
| 3                | 72           | 10 mm <sup>2</sup> | 113237      | BBP 3L 10 M72 13.5mm EU | 1/5/20  |

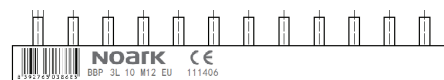
## Special type shortened busbars

- 2-phase busbar - configuration N L1 N L1 N L1...
- 4-phase busbar - configuration N L1 N L2 N L3 N L1 ...
- Suitable for 1MU 1P+N-pole MCBs line Ex9PN and 1M RCBO Ex9NLE
- 10 mm<sup>2</sup> for rated current up to 63 A
- Step between connection points 8.7 mm
- Pin type connection points
- Delivered with end caps
- Busbar is designed for connecting devices from the top side, the order of the devices is quoted from left



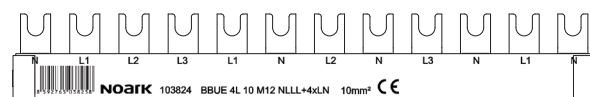
| Number of phases | Length MU | Cross section      | Article No. | Type              | Packing |
|------------------|-----------|--------------------|-------------|-------------------|---------|
| 2                | 12        | 10 mm <sup>2</sup> | 111407      | BBP 2LN 10 M12 EU | 1/5/150 |
| 4                | 12        | 10 mm <sup>2</sup> | 111408      | BBP 4LN 10 M12 EU | 1/5/100 |

- Suitable for 3/4MU MCBs line Ex9B40J
- 10 mm<sup>2</sup> for rated current up to 63 A
- Step between connection points 13.5 mm
- Pin type connection points
- Delivered with end caps
- For 12 MCBs in line



| Number of phases | Length 3/4MU | Cross section      | Article No. | Type             | Packing  |
|------------------|--------------|--------------------|-------------|------------------|----------|
| 1                | 12           | 10 mm <sup>2</sup> | 111405      | BBP 1L 10 M12 EU | 1/10/300 |
| 3                | 12           | 10 mm <sup>2</sup> | 111406      | BBP 3L 10 M12 EU | 1/5/150  |

- 2 and 4-phase busbars for combination of Ex9L RCCB with 1P+N-pole Ex9B line MCBs
- 10 mm<sup>2</sup> for rated current up to 63 A
- Step between MCB connection points 18 mm
- Fork type connection point
- Delivered with end caps
- Busbar is designed for connecting devices from the bottom side, the order of the devices is quoted from left

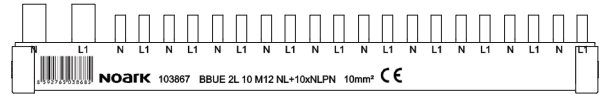


| Number of phases | Length MU | Cross section      | Article No. | Type                     | Packing |
|------------------|-----------|--------------------|-------------|--------------------------|---------|
| 2                | 12        | 10 mm <sup>2</sup> | 103868      | BBUE 2L 10 M12 NL+5xLN   | 1/25    |
| 4                | 12        | 10 mm <sup>2</sup> | 103824      | BBUE 4L 10 M12 NLLL+4xLN | 1/25    |
| 4                | 18        | 10 mm <sup>2</sup> | 103825      | BBUE 4L 10 M18 NLLL+7xLN | 1/25    |

# Busbars BBU and BBUE

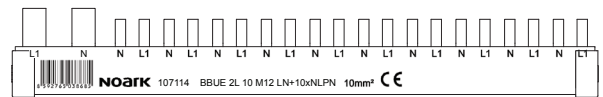
## Special type shortened busbars

- 2 and 4-phase busbars for combination of Ex9L RCCB with Ex9PN line MCBs
- 10 mm<sup>2</sup> for rated current up to 63 A
- Step between MCB connection points 8.7 mm
- Pin type connection points
- Delivered with end caps
- Busbar is designed for connecting devices from the bottom side, the order of the devices is quoted from left



| Number of phases | Length MU | Cross section      | Article No. | Type                       | Packing |
|------------------|-----------|--------------------|-------------|----------------------------|---------|
| 2                | 12        | 10 mm <sup>2</sup> | 103867      | BBUE 2L 10 M12 NL+10xNLPN  | 1/25    |
| 4                | 12        | 10 mm <sup>2</sup> | 103822      | BBUE 4L 10 M12 NLLL+8xNLPN | 1/25    |

- 2-phase busbar for combination of RCCB of line Ex9BL and Ex9PN line MCBs
- 10 mm<sup>2</sup> for rated current up to 63 A
- Step between MCB connection points 8.7 mm
- Pin type connection point
- Delivered with end caps
- Busbar is designed for connecting devices from the bottom side, the order of the devices is quoted from left



| Number of phases | Length MU | Cross section      | Article No. | Type                      | Packing |
|------------------|-----------|--------------------|-------------|---------------------------|---------|
| 2                | 12        | 10 mm <sup>2</sup> | 107114      | BBUE 2L 10 M12 LN+10xNLPN | 1/25    |

- 4-pole busbar for combination of RCD with N-pole on right hand side and Ex9PN line MCBs
- 10 mm<sup>2</sup> for rated current up to 63 A
- Step between MCB connection points 8.7 mm
- Pin type connection point
- Delivered with end caps
- Busbar is designed for connecting devices from the bottom side, the order of the devices is quoted from left




| Number of phases | Length MU | Cross section      | Article No. | Type                       | Packing |
|------------------|-----------|--------------------|-------------|----------------------------|---------|
| 4                | 12        | 10 mm <sup>2</sup> | 103823      | BBUE 4L 10 M12 LLLN+8xNLPN | 1/25    |

# Busbars BBU, BBP and BBUE

## End caps for BBU and BBP busbars

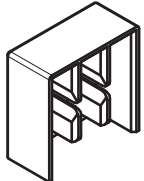
- End caps for 1 and 3-phase BBU and BBP busbars



| Cross section           | For number of phases | Article No. | Type         | Packing |
|-------------------------|----------------------|-------------|--------------|---------|
| 10 / 16 mm <sup>2</sup> | 1                    | 101452      | ECU 1L 10/16 | 1/1000  |
| 10 mm <sup>2</sup>      | 2                    | 113244      | ECU 2L 10    | 1/1000  |
| 16 mm <sup>2</sup>      | 2                    | 113245      | ECU 2L 16    | 1/1000  |
| 10 mm <sup>2</sup>      | 3                    | 101453      | ECU 3L 10    | 1/1000  |
| 16 mm <sup>2</sup>      | 3                    | 113246      | ECU 3L 16    | 1/1000  |
| 10 / 16 mm <sup>2</sup> | 4                    | 113247      | ECU 4L 10    | 1/500   |

## End caps for BBUE busbars

- End caps for BBUE busbars



| For busbar | For number of phases | Article No. | Type       | Packing |
|------------|----------------------|-------------|------------|---------|
| BBUE 1L    | 1                    | 103826      | ECUE 1L    | 1/50    |
| BBUE 2L    | 2                    | 103827      | ECUE 2L    | 1/50    |
| BBUE 3L    | 3                    | 103828      | ECUE 3L    | 1/50    |
| BBUE 4L    | 4                    | 103829      | ECUE 4L    | 1/50    |
| BBUE 1L 35 | 1                    | 103831      | ECUE 1L 35 | 1/50    |
| BBUE 3L 35 | 3                    | 103830      | ECUE 3L 35 | 1/50    |



# Technical Data BBU, BBP and BBUE

## Busbars BBU, BBP and BBUE

### General parameters

1, 2, 3 and 4-phase busbars

Length 1 meter (can be shortened) or shortened versions (2, 6, 9, 12, 18 modules)

Special type busbars are designed for connecting devices from the bottom or top side, the order of the devices is quoted from left

### Electrical parameters

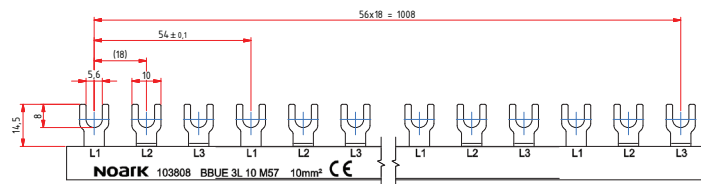
|   |  |
|---|--|
| Tested according to                       | EN 60439-1   |
| Rated operation voltage $U_e$             | 230 / 400 V AC   |
| Rated current $I_e$                       | 63 A (10 mm <sup>2</sup> ), 80 A (16 mm <sup>2</sup> ), 125 A (30/35 mm <sup>2</sup> ) |
| Rated frequency f                         | 50 Hz  |
| Rated impulse withstand voltage $U_{imp}$ | 4 kV (BBU, BBP)<br>8 kV (BBUE 35), 6 kV (BBUE)   |

### Mechanical parameters

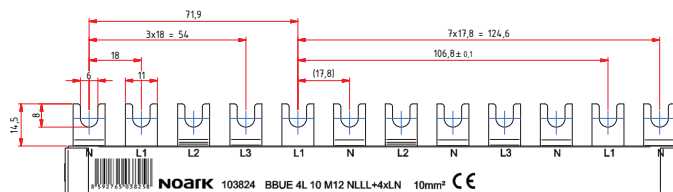
|                       |                                   |
|-----------------------|-----------------------------------|
| Busbar cross section  | 10 / 16 / 30 / 35 mm <sup>2</sup> |
| Connection point type | Fork or Pin                       |
| Connection point step | 8.7 mm / 13.5 mm / 18 mm / 27 mm  |

### Dimensions

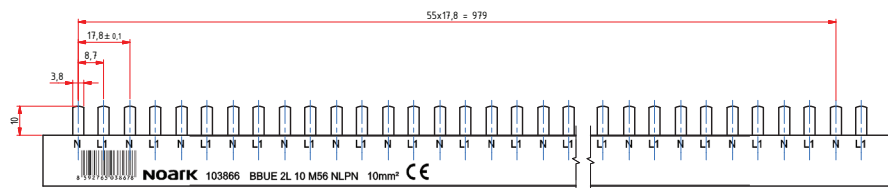
#### Fork types



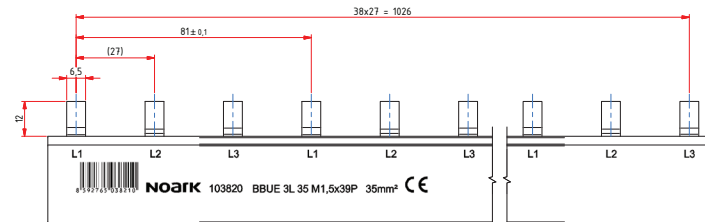
#### 4LN fork types



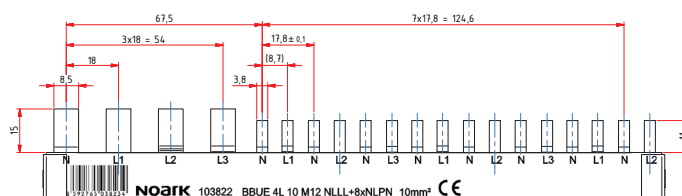
#### Pin types



#### 35 mm<sup>2</sup> pin types



#### Device combination types

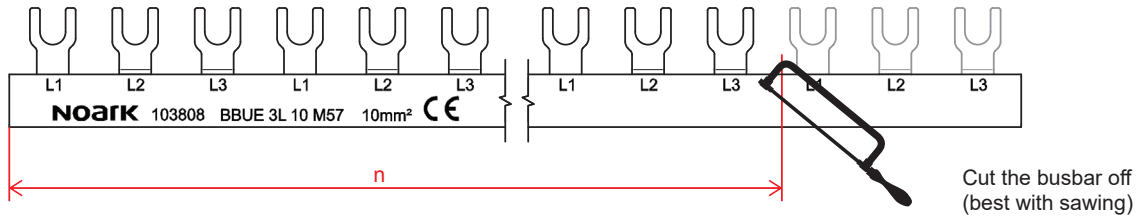


# Technical Data BBU, BBP and BBUE

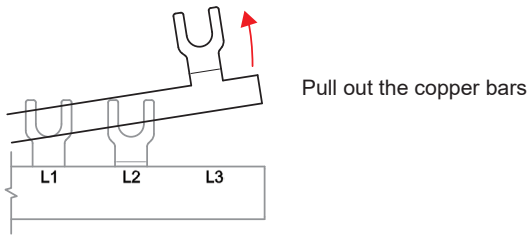
## Busbars BBU, BBP and BBUE

### Shortening

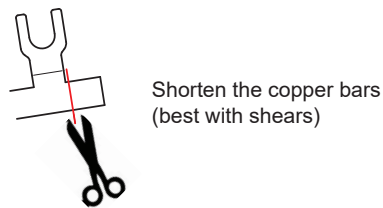
1)



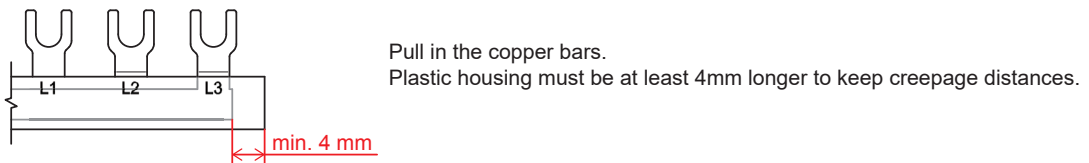
2)



3)



4)



5)

