

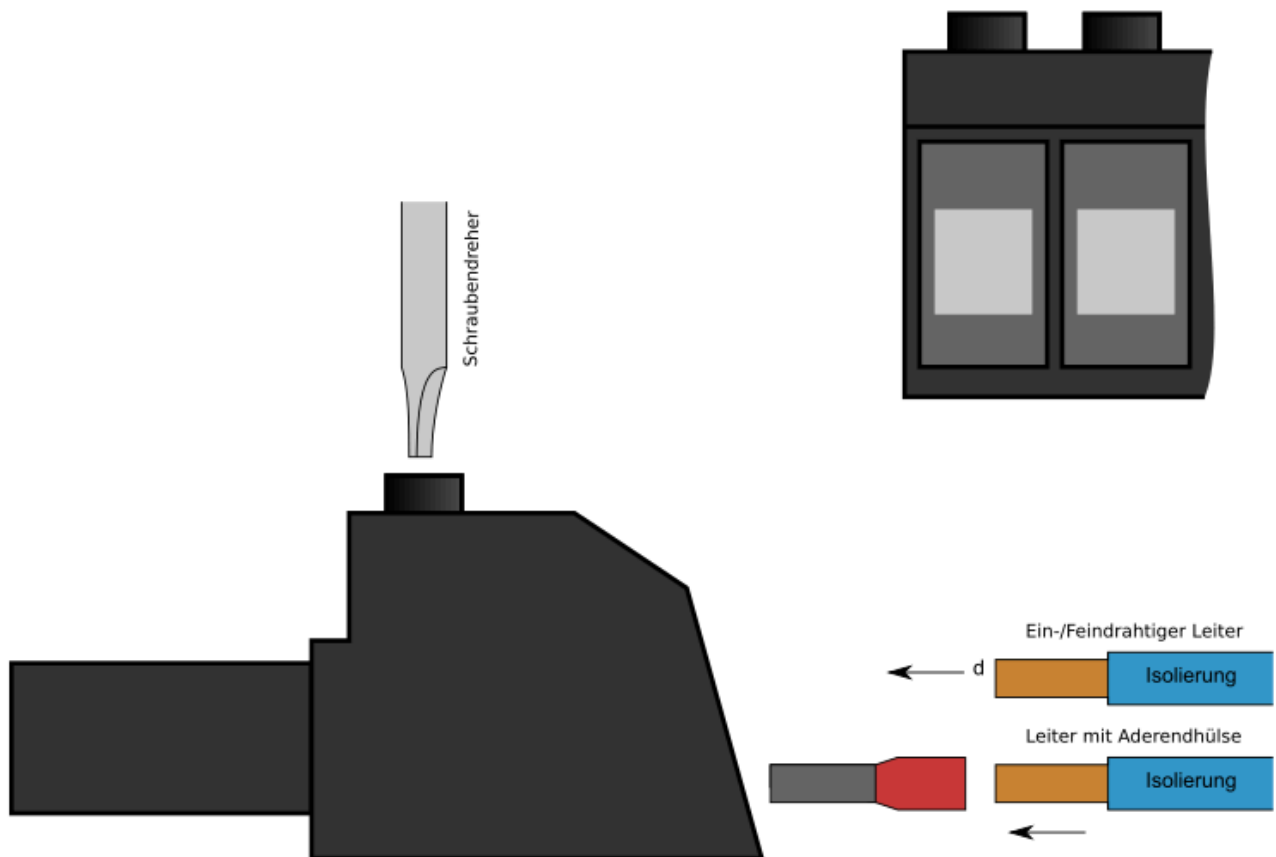


In order to operate at rated current, the cross section of the connection cable shall be designed in accordance to national valid standards.  
 For nominal values of the device, the maximum possible diameters of the connectors shall be used.  
 The cable length shall be at least 20cm.

## Processing of screw connection of Weidmueller BVZ 7.62 HP

The controllers use the connectors with screw technology for the power side

The following figure shows, which cross-sections can be used with the connector:



| Terminal | Name<br>Art.-Nr.                | Max<br>current | Clamping range (cross section d) mm <sup>2</sup> |                            |                                |                                      | Stripping<br>length<br>mm |
|----------|---------------------------------|----------------|--|----------------------------|--------------------------------|--------------------------------------|---------------------------|
|          |                                 |                | solid<br>H05(07)V-<br>U                          | flexible<br>H05(07)V-<br>K | flexible w.wire end<br>ferrule | flexible w.plastic collar<br>ferrule |                           |
| X1       | BVZ 7.62HP/06/180<br>1929970000 | 41 A           | 0,2 ... 6  | 0,5 ... 6                  | 0,25 ... 6                     | 0,25 ... 6                           | 12                        |



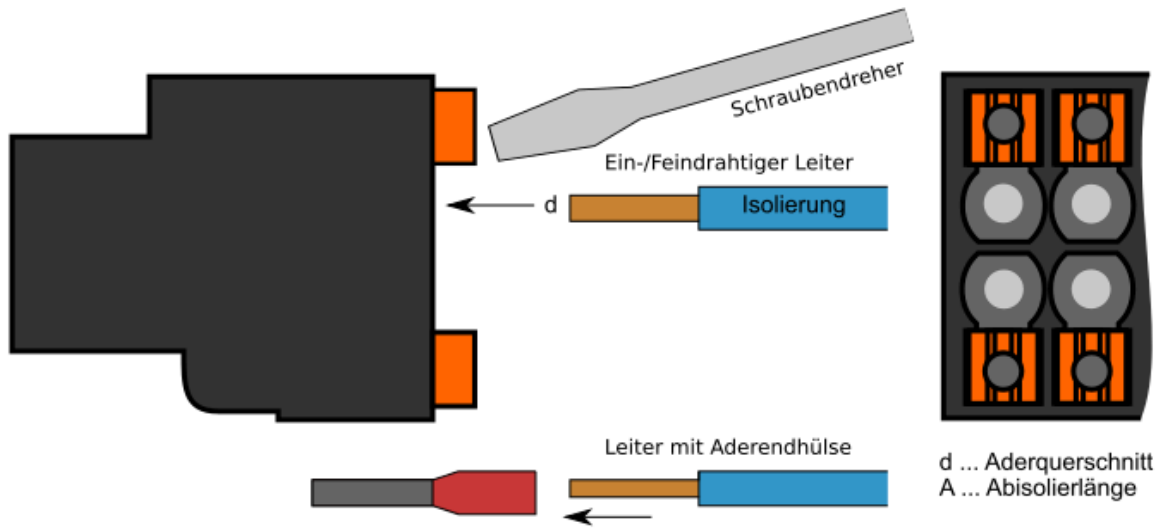
Make sure that the stripping length of wire is correct and the insulation is not clamped.

For more information, visit [www.weidmueller.com](http://www.weidmueller.com).

## Processing of tension clamp connection of Weidmueller B2CF 3.5

The controllers use the connectors with tension clamp for flexible conductors

The following figure shows, which cross-sections can be used with the connector:



| Terminal | Name / Art.-Nr.        | Max current | Clamping range (cross section d) mm <sup>2</sup> |                     |                             |                                   | Stripping length mm |
|----------|------------------------|-------------|--|---------------------|-----------------------------|-----------------------------------|---------------------|
|          |                        |             | solid H05(07)V-U                                 | flexible H05(07)V-K | flexible w.wire end ferrule | flexible w.plastic collar ferrule |                     |
| X2       | B2CF 3.5/14 1277520000 | 10 A        | 0.14 ... 1.5                                     | 0.14 ... 1.5        | 0.14 ... 1.5                | 0.14 ... 1                        | 10                  |
| X3       | B2CF 3.5/12 1277510000 | 10 A        | 0.14 ... 1.5                                     | 0.14 ... 1.5        | 0.14 ... 1.5                | 0.14 ... 1                        | 10                  |
| X4       | B2CF 3.5/6 1277470000  | 10 A        | 0.14 ... 1.5                                     | 0.14 ... 1.5        | 0.14 ... 1.5                | 0.14 ... 1                        | 10                  |



Make sure that the stripping length of wire is correct and the insulation is not clamped.

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