

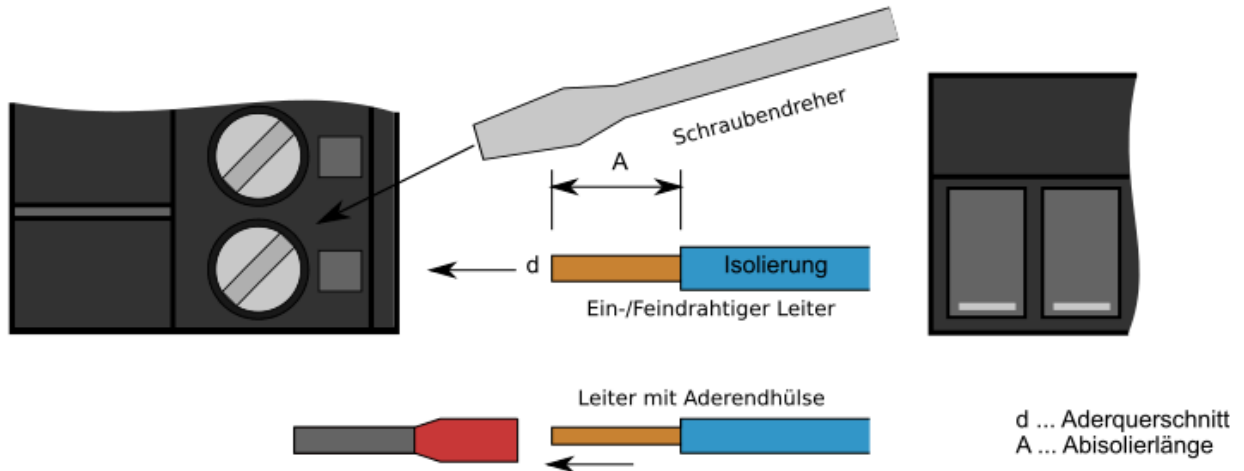


In order to operate at rated current, the cross section of the connection cable shall be designed in accordance to national valid standards.  
 For nominal values of the device, the maximum possible diameters of the connectors shall be used.  
 The cable length shall be at least 20cm.

## Processing of screw connection of Weidmueller BLZP 5.0HC

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 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	
X1	BLZP 5.00HC/04/180 1955550000	21 A	0.2 ... 4	0.2 ... 4	0.2 ... 4	0.2 ... 2.5	7
X7	BLZP 5.00HC/03/180 1955560000	21 A	0.2 ... 4	0.2 ... 4	0.2 ... 4	0.2 ... 2.5	7

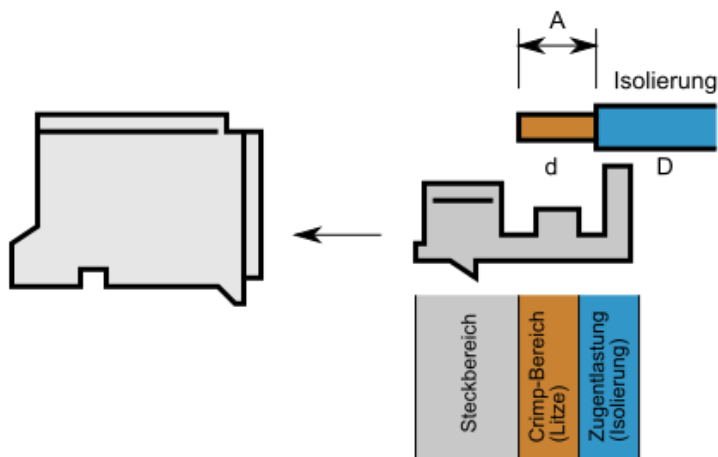


Make sure that the stripping length of wire is correct and the insulation is not clamped.

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

## Processing of crimp connectors of JST PHD-Serie

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



d ... Aderquerschnitt  
 D ... Durchmesser der  
 Isolierung  
 A ... Abisolierlänge

Terminal	Name / Art.-Nr.	Wire cross section d [AWG] [mm <sup>2</sup> ]	Max. cross section of insulation D [mm]	Stripping length A [mm]
X2	- Crimp housing - PHDR-14VS - Crimp contact - SPHD-002T-P0.5L - Crimp tool - WC-240	AWG 24 ... 30 0.05 ... 0.22	1.5	~1.5 ... 2

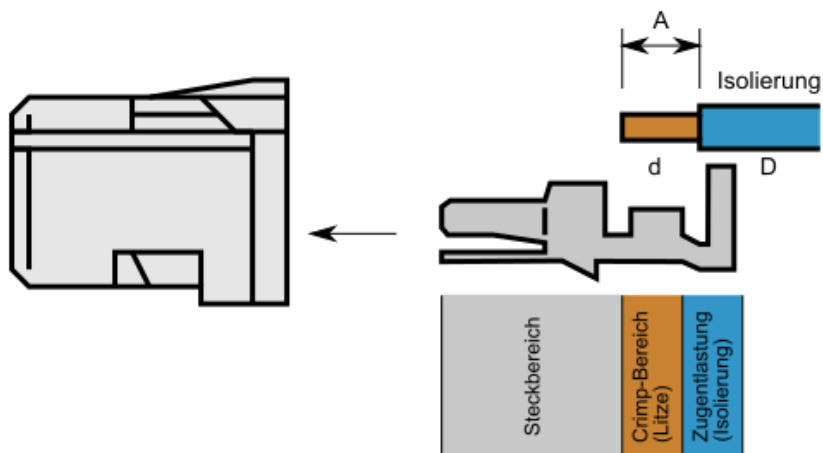


! WARNING! The use of tools not specified by the manufacturer may impair the reliability of the crimp connection even failure.

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

### Processing of crimp connectors of JST PA-Serie

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



d ... Aderquerschnitt  
 D ... Durchmesser der  
 Isolierung  
 A ... Abisolierlänge

Terminal	Name / Art.-Nr.	Wire cross section d [AWG] [mm <sup>2</sup> ]	Max. cross section of insulation D [mm]	Stripping length A [mm]
X3	- Crimp housing - PAP-02V-S - Crimp contact - SPHD-001T-P0.5 - Crimp tool - WC-610	AWG 22 ... 26 0.13 ... 0.33	1 ... 1.5	~1.5 ... 2
X4	- Crimp housing - PAP-13V-S - Crimp contact - SPHD-001T-P0.5 - Crimp tool - WC-610	AWG 22 ... 26 0.13 ... 0.33	1 ... 1.5	~1.5 ... 2

X5	- Crimp housing - PAP-03V-S - Crimp contact - SPHD-001T-P0.5 - Crimp tool - WC-610	AWG 22 ... 26 0.13 ... 0.33	1 ... 1.5	~1.5 ... 2
X6	- Crimp housing - PAP-05V-S - Crimp contact - SPHD-001T-P0.5 - Crimp tool - WC-610	AWG 22 ... 26 0.13 ... 0.33	1 ... 1.5	~1.5 ... 2



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