

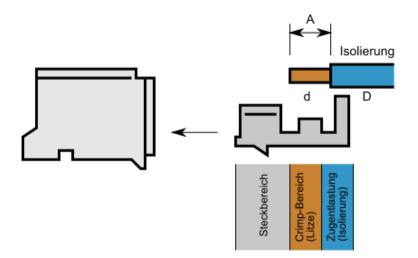
In order to operate at rated current, the cross section of the connection cable shall be designed in accordance to national valid standards.

 $For nominal \ values \ of \ the \ device, \ the \ maximum \ possible \ diameters \ of \ the \ connectors \ shall \ be \ used.$

The cable length shall be at least 20cm.

Processing of crimp connectors of JST PH-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 / ArtNr.	Wire cross section d [AWG] [mm2]	Max. cross section of insulation D [mm]	Stripping length A [mm]	
X1	- Crimp housing - PHR-15 - Crimp contact - SPH-002T-P0.5L - Crimp tool - WC-240	AWG 24 30 0.05 0.22	1.5	~1.5 2	



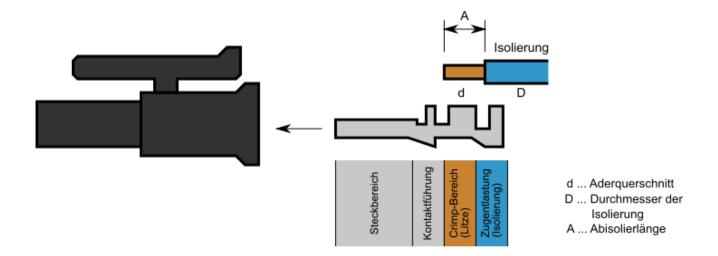
! WARNING! The use of tools not specified by the manufacturer may impair the reliability of the crimp connection even failure.

For more information, visit www.jst.com.

Processing of crimp connectors of MOLEX Microfit 3.0

The controllers use the connectors with crimp technology for the I/O and power side.

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



Terminal	Name / ArtNr.	Wire cross section d [AWG] [mm2]	Max. cross section of insulation D [mm]	Stripping length A [mm]
X2	- Crimp housing - 43645-0600- Crimp contact - 43030-0001- Crimp tool - 63819-0000	AWG 20 24 0.2 0.519	1.85	~2.54 2.92



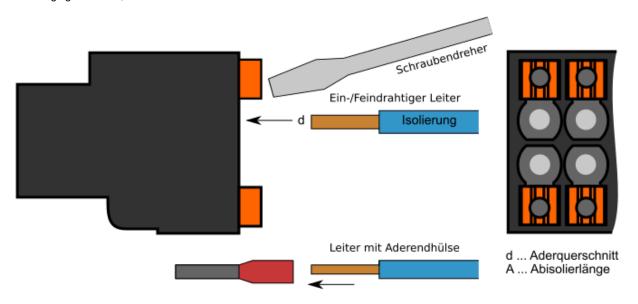
! WARNING! The use of tools not specified by the manufacturer may impair the reliability of the crimp connection even failure

For more information, visit www.molex.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:



			Clamping range (cross section d) mm2				Ctuin min a
Terminal	Name / ArtNr.	Max current	solid H05(07)V- U	flexible H05(07)V- K	flexible w.wire end ferrule	flexible w.plastic collar ferrule	Stripping length mm

X3 B2CF 3.5/14/180F 10 A 0.14 ... 1.5 0.14 ... 1.5 0.14 ... 1.5 0.14 ... 1.5



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

For more information, visit www.weidmueller.com.

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