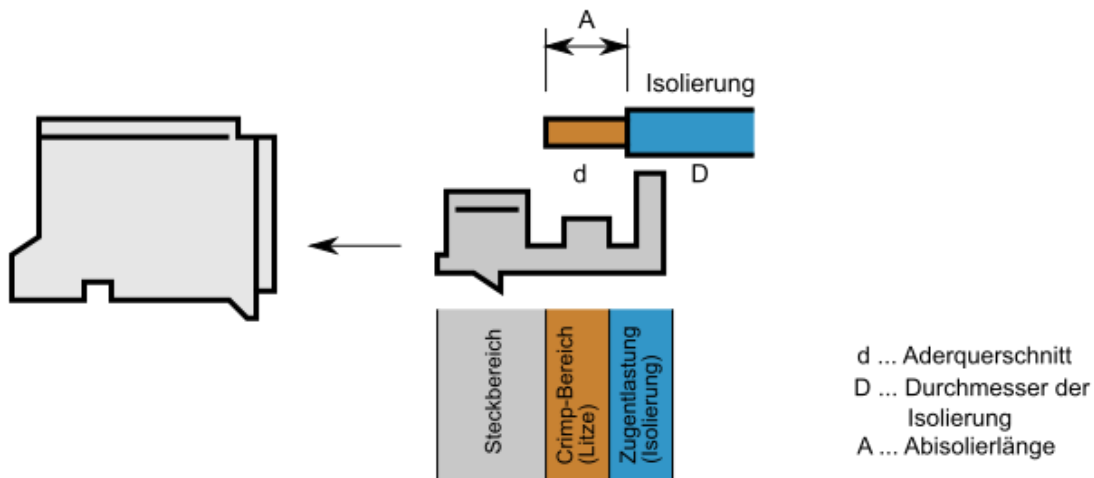> **IMPORTANT**
>
> In order to operate at rated current, the cross section of the connection cable shall be designed in accordance to national valid standards.
> For nominal values of the device, the maximum possible diameters of the connectors shall be used.
> The cable length shall be at least 20cm.

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

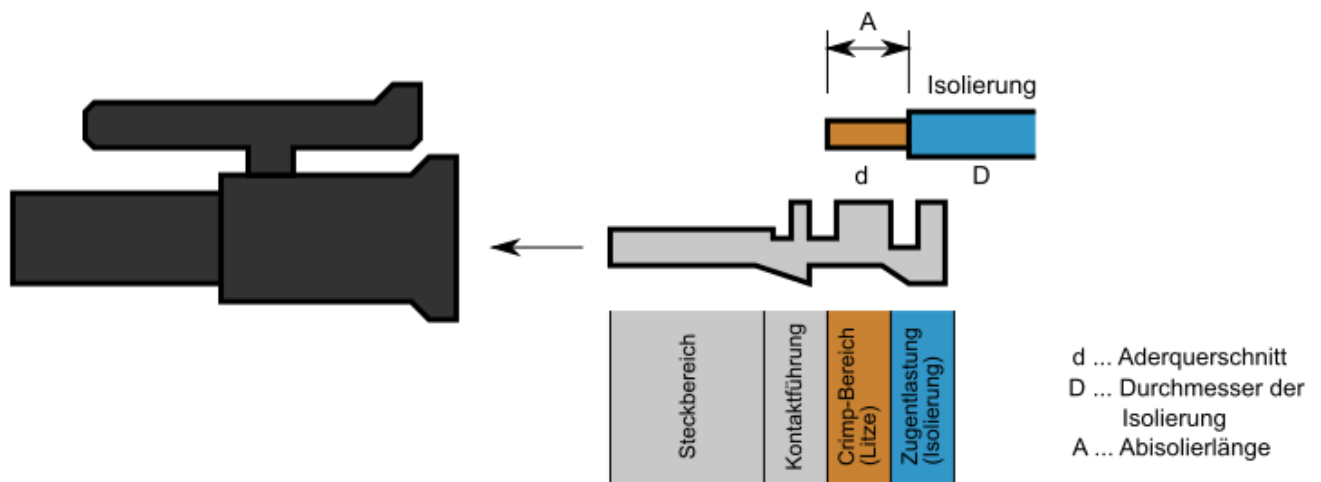| Terminal	Name / Art.-Nr.	Wire cross section d [AWG] [mm2]	Max. cross section of insulation D [mm]	Stripping length A [mm]
X1	- Crimp housing - PHR-15 - Crimp contact - SPH-002T-P0.5L - Crimp tool - WC-240	AWG 24 ... 30 0.05 ... 0.22	1.5	~1.5 ... 2

> **IMPORTANT**
>
> ! 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:

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

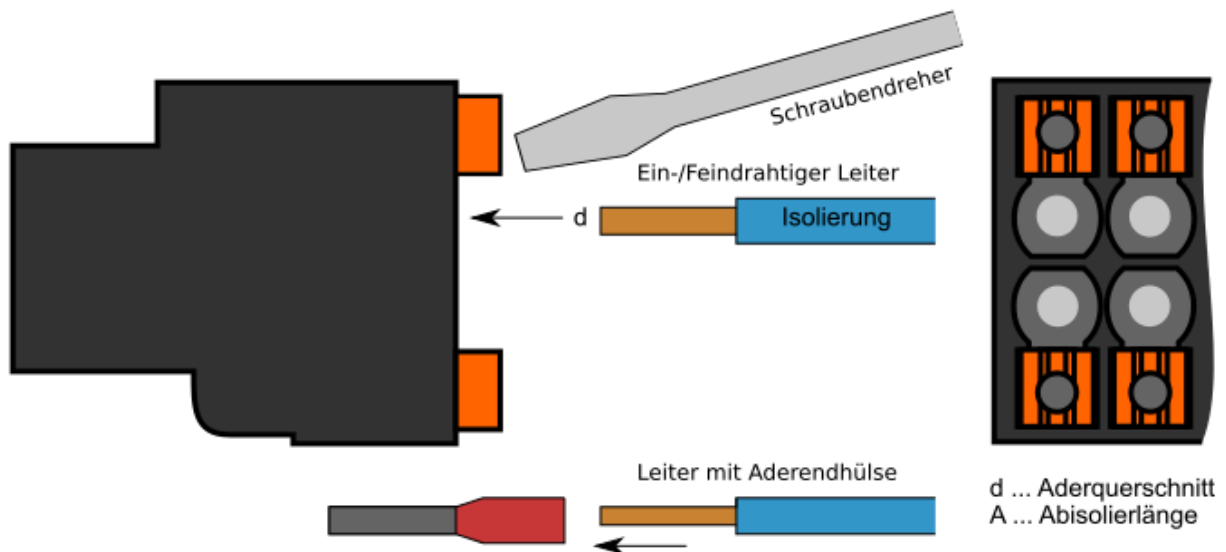| Terminal	Name / Art.-Nr.	Wire cross section d [AWG] [mm2]	Max. cross section of insulation D [mm]	Stripping length A [mm]
X2	- Crimp housing - 43645-0600 - Crimp contact - 43030-0001 - Crimp tool - 63819-0000	AWG 20 ... 24 0.2 ... 0.519	1.85	~2.54 ... 2.92

⚠ **IMPORTANT** ! 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:

Schraubendreher
Ein-/Feindrahtiger Leiter
d Isolierung
Leiter mit Aderendhülse
d ... Aderquerschnitt
A ... Abisolierlänge

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

X3	B2CF 3.5/14 1277520000	10 A	0.14 ... 1.5	0.14 ... 1.5	0.14 ... 1.5	0.14 ... 1	10

> ⚠️ **IMPORTANT**
> Make sure that the stripping length of wire is correct and the insulation is not clamped.

For more information, visit www.weidmueller.com.