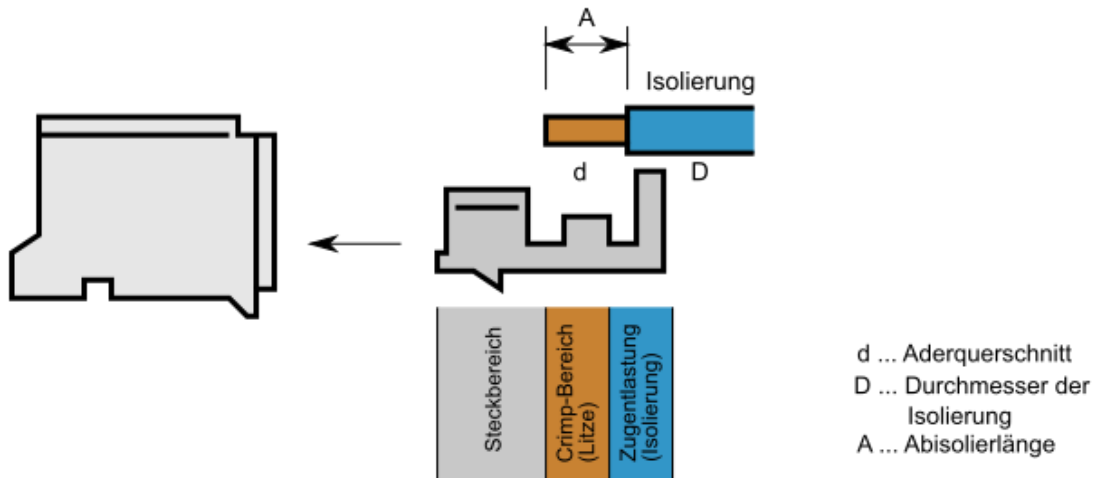




In order to operate at rated current, the cross section of the connection cable shall be designed in accordance to national valid standards.
 For nominal values of the device, the maximum possible diameters of the connectors shall be used.
 The cable length shall be at least 20cm.

Processing of crimp connectors of JST PH-Serie

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



Terminal	Name / Art.-Nr.	Wire cross section d [AWG] [mm ²]	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



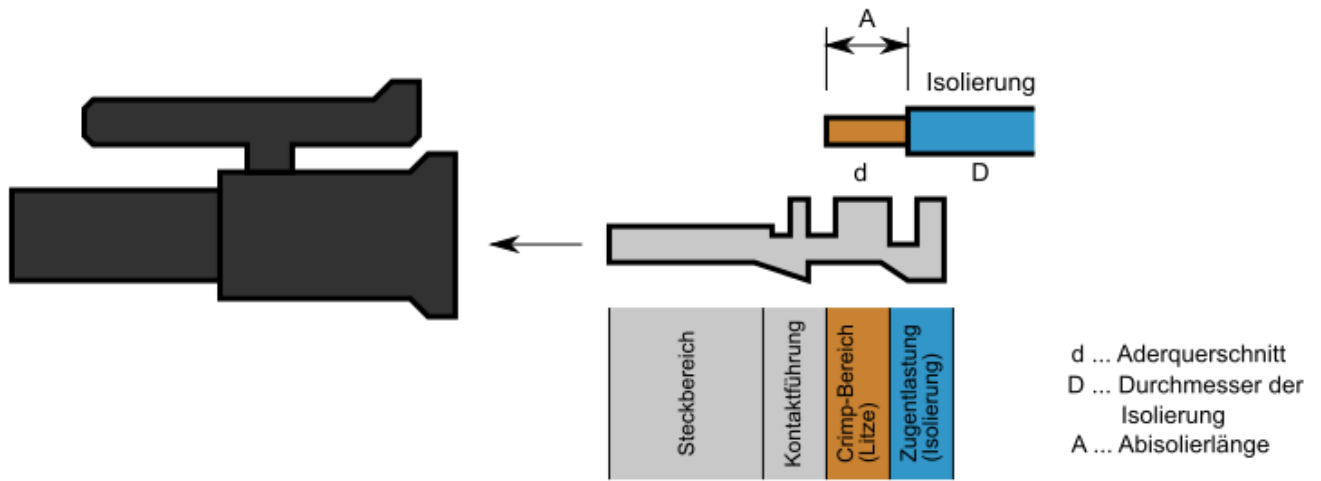
! WARNING! The use of tools not specified by the manufacturer may impair the reliability of the crimp connection even failure.

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 / Art.-Nr.	Wire cross section d [AWG] [mm ²]	Max. cross section of insulation D [mm]	Stripping length A [mm]
X2	- Crimp housing - 43645-0500 - 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.