

**Mounting instruction, straight cable connector**

Stripping lengths	Measure a <sup>1)</sup>	Measure b
Screw contacts with internal cable clamping	18 <sup>1)</sup> 25 <sup>1)</sup>	7 <sup>1) 2)</sup> 7 <sup>1) 2)</sup>
Solder contacts with internal cable clamping	14 <sup>1)</sup> 22 <sup>1)</sup>	4 <sup>1)</sup> 4 <sup>1)</sup>
Crimp contacts	0,14 - 0,50 mm <sup>2</sup> 0,50 - 1,5 mm <sup>2</sup>	3 <sup>1) 5)</sup> 3,5 <sup>1)</sup>
	14 <sup>1)</sup> 22 <sup>1)</sup>	

**Mounting instruction, right angled cable connector**

Stripping lengths	Measure a <sup>1)</sup>	Measure b
Screw contacts without internal cable clamping	35 <sup>1)</sup>	7 <sup>1) 2)</sup>
Solder contacts without internal cable clamping	32 <sup>1)</sup>	4 <sup>1)</sup>
Crimp contacts	0,14 - 0,5 mm <sup>2</sup> 0,50 - 1,5 mm <sup>2</sup>	3 <sup>1) 5)</sup> 3,5 <sup>1)</sup>
	32 <sup>1)</sup>	

<sup>1)</sup> PE + 2mm <sup>2)</sup> End splice recommended

<sup>3)</sup> The tightening torque figures can vary depending on the cable you use

**Order Information**

**Color coding**  
Backshells of cable connectors are available in different colors upon request. Min order quantity = 1000 pcs. per type.

**Mechanical coding**  
Achieved by special coding pins which are inserted into contact cavities. Min. order quantity = 1000 pcs. per type.

**Crimp version**  
Order number do not include crimp contacts. Please order separately (see page 20).

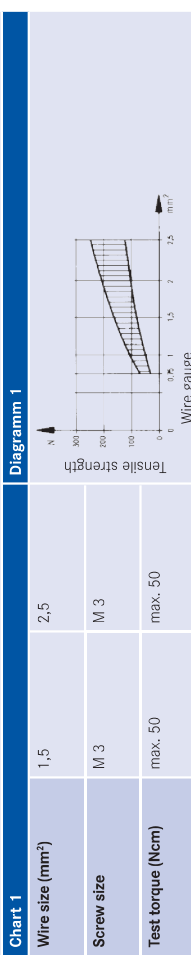
**Crimp tooling**  
Ask for our catalogue "Tools".

**Structure of part number**

C016	30	D	006	1	00	10
Series	Termination technique 10 = Crimp (6 + PE) 20 = Screw (3 + PE) 30 = Solder (6 + PE)	Style H = Male cable connector D = Female cable connector K = Right angled male cable connector F = Right angled female cable connector C = Male receptacle G = Female receptacle P = Male receptacle	No. of Poles 003 = 3 + PE 006 = 6 + PE	Contact Plating 1 = silver plating 2 = gold plating 0 = without contacts	Strain relief 00 = receptacle or cable connector with clamping ring 10 = cable connector with internal cable clamp	Version 10 = cable connector in blue/ black 12 = cable or receptacle connector in blue

**Screw termination**

Screw clamps are designed acc. to EN 60999-1/VDE 06095.1. Chart 1 below shows the screw size depending on wire size and the required clamping and testing torque.



**Conversion AWG - mm<sup>2</sup>**

The comparison chart 2 below allows a cross reference between American Wire Gauge (AWG) and metric wire sizes (mm<sup>2</sup>).

**Chart 2**

AWG	Wire composition	Wire diameter	Wire size	AWG	Wire composition	Wire diameter	Wire size
30	1 x 0,25	0,25 mm	0,05 mm <sup>2</sup>	20	1 x 0,81	0,81 mm	0,52 mm <sup>2</sup>
	7 x 0,10	0,36 mm	0,06 mm <sup>2</sup>		7 x 0,32	0,87 mm	0,56 mm <sup>2</sup>
28	1 x 0,32	0,32 mm	0,08 mm <sup>2</sup>		19 x 0,20	1,02 mm	0,62 mm <sup>2</sup>
	7 x 0,13	0,38 mm	0,09 mm <sup>2</sup>	18	1 x 1,02	1,02 mm	0,79 mm <sup>2</sup>
26	1 x 0,40	0,40 mm	0,13 mm <sup>2</sup>		19 x 0,25	1,27 mm	0,96 mm <sup>2</sup>
	7 x 0,16	0,48 mm	0,14 mm <sup>2</sup>	16	19 x 0,29	1,44 mm	1,23 mm <sup>2</sup>
24	1 x 0,51	0,51 mm	0,15 mm <sup>2</sup>		19 x 0,36	1,80 mm	1,95 mm <sup>2</sup>
	7 x 0,20	0,61 mm	0,21 mm <sup>2</sup>	12	19 x 0,46	2,29 mm	3,09 mm <sup>2</sup>
22	1 x 0,64	0,64 mm	0,24 mm <sup>2</sup>	10	37 x 0,40	3,10 mm	4,60 mm <sup>2</sup>
	7 x 0,25	0,76 mm	0,33 mm <sup>2</sup>	8	133 x 0,29	4,0 mm	8,80 mm <sup>2</sup>
	19 x 0,16	0,81 mm	0,38 mm <sup>2</sup>	6	133 x 0,36	5,5 mm	13,5 mm <sup>2</sup>

It is to be noted that wires of the same AWG number but with different composition have slightly different mm<sup>2</sup>.