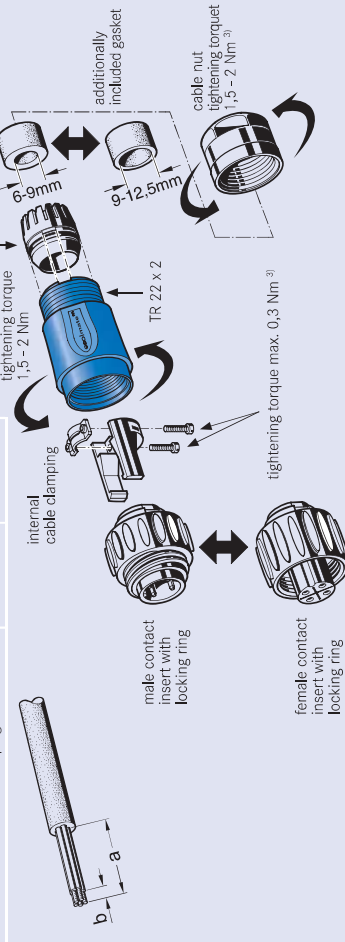


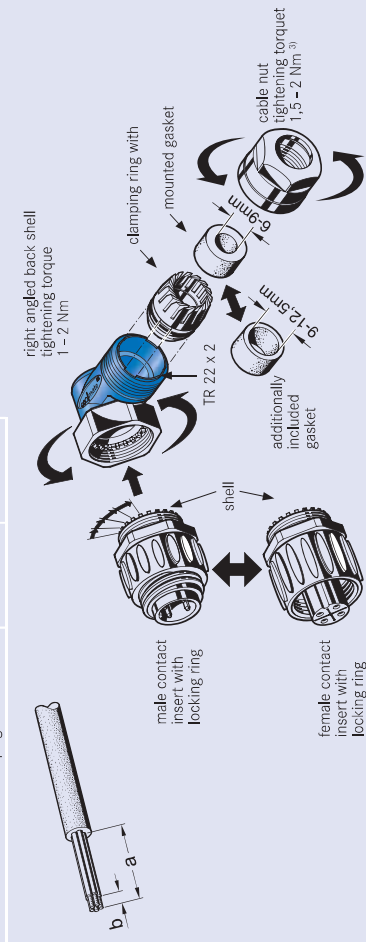
Mounting instruction, straight cable connector

Stripping lengths	Measure a ¹⁾	Measure b
Screw contacts with internal cable clamping without internal cable clamping	18 ⁻¹⁾ 25 ⁻¹⁾	7 ^{+1) 2)} 7 ^{+1) 3)}
Solder contacts with internal cable clamping without internal cable clamping	14 ⁻¹⁾ 22 ⁻¹⁾	4 ⁻¹⁾ 4 ⁻¹⁾
Crimp contacts 0,14 – 0,50 mm ² 0,50 – 1,5 mm ² with internal cable clamping without internal cable clamping	14 ⁻¹⁾ 22 ⁻¹⁾	3 ^{+0,5} 3,5 ⁻¹⁾



Mounting instruction, right angled cable connector

Stripping lengths	Measure a ¹⁾	Measure b
Screw contacts without internal cable clamping	35 ⁻¹⁾	7 ^{+1) 3)}
Solder contacts without internal cable clamping	32 ⁻¹⁾	4 ⁻¹⁾
Crimp contacts 0,14 – 0,5 mm ² 0,50 – 1,5 mm ² without internal cable clamping	32 ⁻¹⁾	3 ^{+0,5} 3,5 ⁻¹⁾



Order Information

Color coding	Crimp version
Backshells of cable connectors are available in different colors upon request. Min order quantity = 1000 pcs. per type.	Order number do not include crimp contacts. Please order separately (see page 20).
Mechanical coding	Crimp tooling
Achieved by special coding pins which are inserted into contact cavities. Min. order quantity = 1000 pcs. per type.	Ask for our catalogue "Tools".

Structure of part number

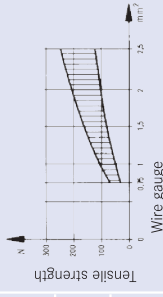
C016	30	D	006	1	00	10
Series	Termination technique	Style	No. of Poles	Contact Plating	Strain relief	Version
	10 = Crimp (6 + PE)	H = Male cable connector	003 = 3 + PE	1 = silver plating	00 = receptacle or	10 = cable connector
	20 = Screw (3 + PE)	D = Female cable connector	006 = 6 + PE	2 = gold plating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

Chart 1

Wire size (mm ²)	1,5	2,5
Screw size	M 3	M 3
Test torque (Ncm)	max. 50	max. 50

Conversion AWG - mm²

The comparison chart 2 below allows a cross reference between American Wire Gauge (AWG) and metric wire sizes (mm²).

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

It is to be noted that wires of the same AWG number but with different composition have slightly different mm².