

C 091 Crimp contacts

Supplied as	Wire Gauge	Insul. Ø mm	Pieces	Part Number		Figure	
				Silver	Gold		
Pin contact Ø 1.5 mm							
single contact	0.09-0.25 mm ²	0.7-1.6	100	VN01 015 0052 (1)	VN01 015 0052 (2)		
contacts on reel			200	ZN01 015 0052 (1)	ZN01 015 0052 (2)		
right			2000	HN01 015 0052 (1)	HN01 015 0052 (2)		
left			2000	TN01 015 0052 (1)	TN01 015 0052 (2)		
single contact	0.35-0.50 mm ²	1.0-2.0	100	VN01 015 0046 (1)	VN01 015 0046 (2)		
contacts on reel			200	ZN01 015 0046 (1)	ZN01 015 0046 (2)		
right			2000	HN01 015 0046 (1)	HN01 015 0046 (2)		
left			2000	TN01 015 0046 (1)	TN01 015 0046 (2)		
single contact	0.75-1.0 mm ²	1.6-2.1	100	VN01 015 0047 (1)	VN01 015 0047 (2)		
contacts on reel			200	ZN01 015 0047 (1)	ZN01 015 0047 (2)		
right			2000	HN01 015 0047 (1)	HN01 015 0047 (2)		
left			2000	TN01 015 0047 (1)	TN01 015 0047 (2)		
Pin contact Ø 1.0 mm							
	0.09-0.25 mm ²	1.3	100	VN01 010 0158 (1)	VN01 010 0158 (2)		
			2000	HN01 010 0158 (1)	HN01 010 0158 (2)		
			2000	TN01 010 0158 (1)	TN01 010 0158 (2)		
Socket contact Ø 1.5 mm							
single contact	0.09-0.25 mm ²	0.7-1.6	100	VN02 015 0052 (1)	VN02 015 0052 (2)		
contacts on reel			200	ZN02 015 0052 (1)	ZN02 015 0052 (2)		
right			2000	HN02 015 0052 (1)	HN02 015 0052 (2)		
left			2000	TN02 015 0052 (1)	TN02 015 0052 (2)		
single contact	0.35-0.50 mm ²	1.0-2.0	100	VN02 015 0046 (1)	VN02 015 0046 (2)		
contacts on reel			200	ZN02 015 0046 (1)	ZN02 015 0046 (2)		
right			2000	HN02 015 0046 (1)	HN02 015 0046 (2)		
left			2000	TN02 015 0046 (1)	TN02 015 0046 (2)		
single contact	0.75-1.0 mm ²	1.6-2.1	100	VN02 015 0047 (1)	VN02 015 0047 (2)		
contacts on reel			200	ZN02 015 0047 (1)	ZN02 015 0047 (2)		
right			2000	HN02 015 0047 (1)	HN02 015 0047 (2)		
left			2000	TN02 015 0047 (1)	TN02 015 0047 (2)		
Socket contact Ø 1.0 mm							
	0.09-0.25 mm ²	1.3	100	VN02 010 0158 (1)	VN02 010 0158 (2)		
			2000	HN02 010 0158 (1)	HN02 010 0158 (2)		
			2000	TN02 010 0158 (1)	TN02 010 0158 (2)		
Connecting Range mm ²	Wire Gauge		Stripping Length mm	Crimp Height (Average Values) mm	Crimp Retention Force acc. DIN EN 60352-2 N		
	mm ²	AWG					
0.09-0.25	0.09	28	3.0 + 0.5	0.85-0.89	11		
		26					
	0.14	24				0.86-0.90	18
		22					
0.35-0.50	0.35	22	3.0 + 0.5	0.90-1.06	40		
	0.50	20					
0.75-1.00	0.75	18	3.5 + 1.0	1.33-1.50	85		
						1.00	16
	16						

These min. values are based on the copper wire tensile strength with $\delta_B \approx 230 \text{ N/mm}^2$.

C 091 Tools

Description	Wire Gauge	Part Number		
		Contact Locator	Crimping Dies	Tool
Tools for 1.5 mm contacts				
Removal tool for contacts	-	-	-	FH 0200 0911
Crimping tool for single contacts	0.09 - 0.25 mm ²	TA 0012 091 0001	TA 0000 503	TA 0000
	0.35 - 0.50 mm ²	TA 0012 091 0001	TA 0000 503	TA 0000
		TA 0002 091 0001	TA 0000 502	
	0.75 - 1.00 mm ²	TA 0002 091 0001	TA 0000 502	TA 0000
Tools for 1.0 mm contacts				
Removal tool for contacts	-	-	-	FH 0200 0912
Crimping tool for single contacts	0.09 - 0.25 mm ²	TA 0003 091 0001	TA 0000 504	TA 0000

C 091 Accessories

Description	for Series	Part Number	Drawing	Figure
Spanner wrench for receptacles with ring nut	C 091 A C 091 B C 091 D	N 45 091-000 1		
Spanner wrench for male and female cable connectors	C 091 A C 091 B C 091 D	FH 0300-091		
Hex nut for male and female receptacles Packing Unit: 10 Pieces	C 091 A C 091 B C 091 D	T 0422 060 9 X U		
Colored back-shells thermoplast Colour: blue 10 Pieces Colour: blue 100 Pieces Colour: red 10 Pieces Colour: red 100 Pieces Colour: yellow 10 Pieces Colour: yellow 100 Pieces Colour: green 10 Pieces Colour: green 100 Pieces	C 091 A C 091 B	T 2993 510 9X T 2993 510 9C T 2993 511 9X T 2993 511 9C T 2993 512 9X T 2993 512 9C T 2993 513 9X T 2993 513 9C		

C 091 Protective Caps

Description	L	Part Number	Drawing	Figure
For male cable connector				
plastic leash	85 mm	C091 00U000 120 2		
For male receptacles				
plastic leash	60 mm 100 mm	C091 00U000 130 2 C091 00U000 131 2		
metal chain	110 mm	C091 00U000 152 2		
For female cable connector				
plastic leash	85 mm	C091 00V000 120 2		
For female receptacles				
plastic leash	60 mm 100 mm	C091 00V000 130 2 C091 00V000 131 2		
metal chain	110 mm	C091 00V000 152 2		