

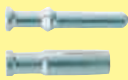


Identification	Part No.	Drawing	Dimensions in mm
HARTING crimping tool with locator for Han D®, Han E®, Han® C	09 99 000 0110	Wire gauge 0.14 - 1.5 mm ²	
HARTING-Service crimping tool with locator for Han D®, Han E®	09 99 000 0021	Wire gauge 0.14 - 1.5 mm ²	
BUCHANAN-crimping tool Locator Multiple crimping tool depth adjustment gauge	09 99 000 0001 09 99 000 0311 09 99 000 0379	Wire gauge 0.14 - 2.5 mm ² 0.14 + 0.25 mm ² ø 1.00 0.37 mm ² ø 1.30 0.5-1 + 2.5 mm ² ø 1.55 1.5 mm ² ø 1.80	  order separately
HARTING-pneumatic crimping tool Locator Multiple crimping tool depth adjustment gauge Table fixing and foot switch for pneumatic crimping tool	09 99 000 0314 09 99 000 0311 09 99 000 0379 09 99 000 0309	Wire gauge 0.37 mm ² ø 1.30 0.5-1 + 2.5 mm ² ø 1.55 1.5 mm ² ø 1.80	  order separately  
Insertion tool for crimp contacts	09 99 000 0059		For crimp contacts with wires of less than 0.75 mm ² it is recommended that an insertion tool is used. Contacts should be inserted from the wiring side and pushed down until a positive locking is achieved.
Removal tool for crimp contacts Removal tool Replacement-tip for removal tool Removal tool	09 99 000 0012 09 99 000 0004 09 99 000 0052	 . . 0012  . . 0004  . . 0052	A removal tool is necessary if contacts are to be replaced in the insert. It is inserted from the mating face and pushed over the contact until a stop is noticeable. Additional pressure unlocks the contact and pushes it out of the wiring side. In case of the removal tool (. . 0052) the unlocking process is achieved by pressure on the central rod.

1) For wire gauge 0.14 and 0.25 mm² use only male contact 09 15 000 6107 or female contact 09 15 000 6207.

Identification	Part No.	Drawing	Dimensions in mm
HARTING crimping tool with locator for Han D®, Han E®, Han® C	09 99 000 0110	Wire gauge 0.5 - 4 mm ²	
HARTING-Service crimping tool with locator	09 99 000 0021	Wire gauge 0.5 - 2.5 mm ²	
BUCHANAN-crimping tool Locator	09 99 000 0001 09 99 000 0310	Wire gauge 0.14 - 4 mm ²	
Multiple crimping tool depth adjustment gauge	09 99 000 0379	Wire gauge 0,14 - 0,37 mm ² ø 1,00 0,5 - 1 mm ² ø 1,55 1,5 - 2,5 mm ² ø 1,80 4 mm ² ø 2,00	 order separately
HARTING-pneumatic crimping tool Locator	09 99 000 0314 09 99 000 0310		
Multiple crimping tool depth adjustment gauge	09 99 000 0379	Wire gauge 0.14 - 0.37 mm ² ø 1.00 0.5 - 1 mm ² ø 1.55 1.5 - 2.5 mm ² ø 1.80 4 mm ² ø 2.00	 order separately
Table fixing and foot switch for pneumatic crimping tool	09 99 000 0309		
Insertion tool for crimp contacts	09 99 000 0059		For crimp contacts wires of less than 0.75 mm ² it is recommended that an insertion tool is used. Contacts should be inserted from the wiring side and pushed down until a positive locking is achieved.
Removal tool for Han® ES inserts	09 99 000 0367		
Crimp contact removal for Han® EE, Han® Q 5/0, Han® Q 8/0 Han E® and Han A®	09 99 000 0319		A removal tool is necessary if contacts are to be replaced in the insert. The tool is inserted from the wiring side until a stop is noticeable. The wire with the crimp contact can then be pulled out from the same side of the insert.

Summary Han® Crimping tools



Identification		mm ²	AWG	Part No.											Contact removal tool						
Crimp contacts				Crimping tool							Crimping machine										
Series				09 99 000 0001	09 99 000 0110	09 99 000 0021	09 99 000 0303	09 99 000 0377	09 99 000 0194	20 99 000 1035	20 99 000 1033	20 99 000 1031	09 99 000 0246	09 99 000 0314	09 98 000 6000	09 98 000 9001	09 98 000 9002	09 98 000 9003			
Han® C	Power contacts Han® C 09 32 	1.5	16	x	x								x	x					x	09 99 000 0305 09 99 000 0381	
		2.5	14	x	x								x	x					x		
		4.0	12	x	x		x						x	x					x		
		6.0	10				x	x											x		
		10.0	8					x											x		
Han D®	Signal contacts Han D® 09 15 	0.14	26	x ²⁾	x	x							x	x ²⁾		x			09 99 000 0012 09 99 000 0052		
		0.25	24	x ²⁾	x	x							x	x ²⁾		x					
		0.37	22	x	x	x							x	x	x	x					
		0.5	20	x	x	x							x	x	x	x					
		0.75	18	x	x	x							x	x	x	x					
		1.0	18	x	x	x							x	x	x	x					
		1.5	16	x	x	x							x	x	x	x					
		2.5	14	x										x	x	x					
		FOC contacts 1 mm POF	–	–							x										
		Han E®	Power contacts Han E® 09 33 	0.14	26	x										x				x	
0.25	24			x										x			x				
0.37	22			x										x			x				
0.5	20			x	x	x							x	x	x		x				
0.75	18			x	x	x							x	x	x		x				
1.0	18			x	x	x							x	x	x		x				
1.5	16			x	x	x							x	x	x		x				
2.5	14			x	x	x							x	x	x		x				
3.0	12			x	x									x	x		x				
4.0	12			x	x									x	x		x				
FOC contacts 1 mm POF	–	–							x												
Multi module	Coaxial contacts	–	–						x										09 99 000 0328		
	FOC contacts 1 mm POF	–	–							x ¹⁾	x ¹⁾										
	FOC contacts GI-fibre	–	–									x									
Identification		Part No.																			
Locator Han® C	09 99 000 0308	x												x							
	09 99 000 0304						x														
Han D®	09 99 000 0311	x												x							
	09 99 000 0022						x														
Han E®	09 99 000 0310	x												x							
	09 99 000 0022						x														

1) both tools are necessary

2) for wire gauges 0.14 and 0.25 mm² use only male contact 09 15 000 6107 or female contact 09 15 000 6207

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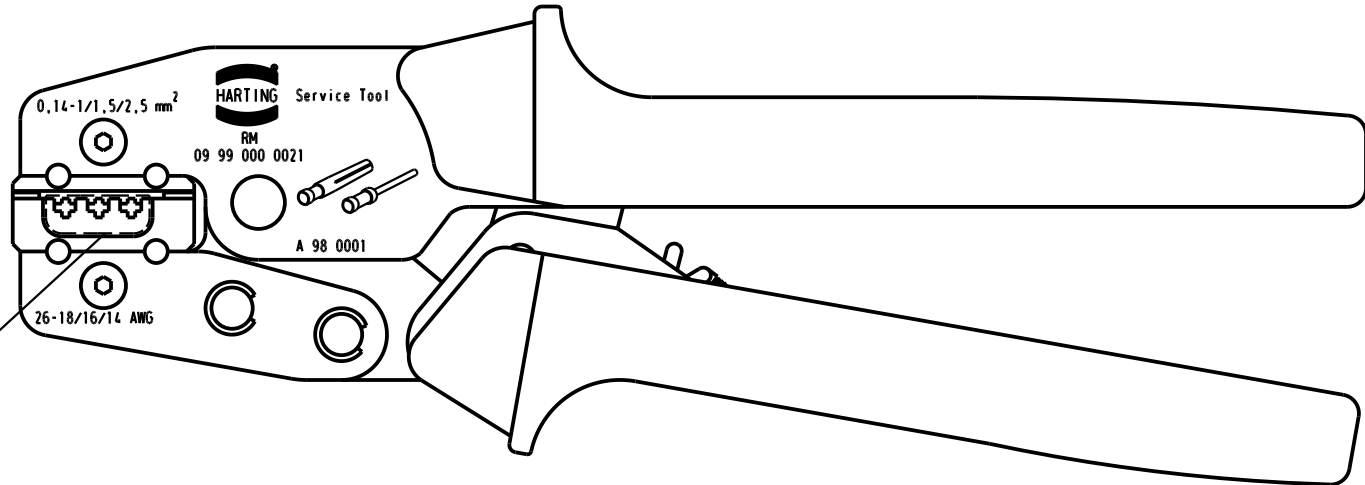
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D



C

B

A



Positionshülsen für
Han D- und Han E-Kontakte
gehören zum Lieferumfang/
*Locators for Han D and Han E contacts
are included in delivery*

 All Dimensions in mm Original Size DIN A 4		Techn. Character.			Nicht tolerierte Masse/ Free size tolerances		
			Dat.	Name	Massstab/ Scale		
			Detail.	29.05.06	Loe.	1 : 1	
			Insp.		Be.		
			Stand.				
412235			HARTING Electric GmbH & Co. KG D-32339 Espelkamp				
Mod.	Dat.	Name	TB 09 99 000 0021			Blatt/ page	
			Sub.			/	