



OPERATING INSTRUCTIONS

CRIMPAC, 8-1579024-6

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Other product and/or company names may be protected by trademark law.

General information

- The information provided is for the purpose of product description only. Users must carry out their own assessments and tests. It should be noted that our products are subject to natural wear and ageing processes.
- The front page shows a sample configuration. The supplied product may vary from that shown.
- The original operating instructions were written in German.

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1 Revisions

1.1 Revision history

Rev.	Date	Description	Name
A	04.12.2017	First revision	L.Sandhu

Table 1: Revision history

2 Introduction

2.1 About these operating instructions

These operating instructions describe the use and operation of the hand tool as well as the necessary maintenance measures.

All persons using the hand tool must therefore be familiar with, and adhere to, these operating instructions.

These operating instructions must be kept with the hand tool at all times.

The owner/user is obliged to supplement these operating instructions with instructions in line with existing national regulations concerning accident prevention and environmental protection.

These operating instructions apply to the following hand tool(s) of TE Connectivity:

- CRIMPAC, HT100, F-CRIMP, AWG22-10, TE P/N 8-1579024-6

Warranty claims, liability

TE Connectivity disclaims all liability for any loss or damage arising from failure to observe the instructions provided on the hand tool or in the operating instructions.

The manufacturer disclaims all liability for any loss or damage resulting from unauthorised modifications to the hand tool.

Service

For further information and technical support, please contact TE Connectivity Customer Service. For addresses, see Section 8.

2.2 Signs and symbols used in this document


The signs and symbols shown in this section are used in these operating instructions.

2.2.1 Instructions

Instructions are marked as follows

- For action steps
- ✓ For action results

2.2.2 Notes

	General note on operation/use.
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2.2.3 Safety instructions

Special safety instructions are provided where necessary. See Section 3.3.

3 General safety instructions

The hand tool has been manufactured in line with current industry standards and recognised safety regulations.

Nevertheless, there is a risk of personal injury and material damage if the following general safety instructions and the warnings preceding the instructions in these operating instructions are not observed.

View RoHS information

Information on the presence and location of all substances subject to RoHS Directive (Restriction of Hazardous Substances) can be found on the following website:


<http://www.te.com/en/resources/product-compliance.html>

- Click on **Test Product Compliance and Request Statements of Compliance (Statements of Compliance, SoC)**.
- Click the entry field below Product Compliance and enter the relevant part number(s).
- Click the "Search" button.
- ✓ *The search results are displayed.*

3.1 Intended use

This hand tool closes a gap between industrial crimping tools with safety ratchet and the Super Camp Service crimping tool.

The Crimpac crimping tool is suitable for different Faston and Fastin-Faston terminals. It features a wire stripper and five F-crimp nests.

	The crimp nests can be selected as required and must be of the correct size for the terminal.
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The following crimp nests are recommended for use with the hand tool:

Wire cross-section	Crimping nest
0.5 - 1.0 mm ²	1,2,3
1.5 - 2.5 mm ²	4
4.0 - 6.0 mm ²	5

The crimping tool must only be used for repair purposes or for making samples, and not for series production.

Operational environment

The hand tool must only be used in a dry and dust-free environment. Do not use the hand tool in environments with a gas atmosphere.

3.2 Foreseeable misuse

The hand tool 8-1579024-6 must only be used for the purpose described above. Use for any other purpose is considered improper and is deemed to be misuse.

This applies in particular to:

- outer diameters of wires larger than 6 mm²
- inadmissible tool-product combinations
- possible use in a fixed device
- crimping of live wires

3.3 Safety measures

3.3.1 General

The hand tool must only be used for the intended purpose.

The hand tool must only be used by trained and authorised personnel.


3.3.2 Safety measures during operation

The crimping tool must only be used in technically perfect condition and with full awareness of safety aspects and potential dangers. When the crimping tool is considered to be no longer safe to use, it must be taken out of service.

Never crimp live wires.

Wear eye protection when using the crimping tool. Failure to follow this instruction may result in serious eye injuries from flying particles.


The relevant processing specification must be observed when using the tool.

ATTENTION!	
	<p>Fatigue symptoms</p> <p>Using mechanical hand tools for long periods of time can lead to symptoms of fatigue or "cumulative trauma disorders" (e.g. tenosynovitis). Hand tools are only intended for "occasional" use with low strain.</p> <ul style="list-style-type: none"> ■ When working for long periods of time, pneumatic or electric hand tools should be used.

3.4 Warnings


The signs and symbols shown in this section are used in these operating instructions.

Caution

CAUTION!	
	<p>Type of hazard</p> <p>Cause</p> <ul style="list-style-type: none"> ■ Measures for averting hazards

"Caution" indicates a potentially dangerous situation which, if not averted, can result in minor or less serious (reversible) injuries.

Attention

ATTENTION!	
	<p>Type of hazard</p> <p>Cause</p> <ul style="list-style-type: none"> ■ Measures for averting hazards

"Attention" draws attention to information or recommendations which may refer directly or indirectly to the safety of persons or material damage.

4 Description

4.1 Functional description

For subsequent crimping of stripped wires and terminals, F-crimp nests are provided. These are divided into crimp nests 1 to 5. The respective assignment is listed in Section 3.1.

4.2 Layout




Figure 1: The "hand tool"

Item	Description
1	Upper crimping jaw
2	Lower crimping jaw
3	Hand grip

Table 2: Components of the hand tool

5 Operation/Use

ATTENTION!	
	<p>Material damage If the crimping tool is dirty or not used in a proper condition, this can lead to increased wear, which will reduce the service life.</p> <ul style="list-style-type: none"> ■ The crimping tool must be in a perfect and clean condition prior to starting work. Residues and dirt must be removed if necessary. ■ On completion of work, the hand tool must be cleaned and stored dry in the correct tool case.

ATTENTION!



Fatigue symptoms

The crimping tool is only intended for "occasional" use with low strain.

- Using mechanical hand tools for long periods of time can lead to symptoms of fatigue (e.g. tenosynovitis).
- When working for long periods of time, pneumatic or electric hand tools should be used.



The following operating instructions contain general information on the use of the crimping tool.

If additional die sets are used, observe the processing specifications for the respective die sets. These contain specific information on the use of these die sets. Read this information before using other dies with the crimping tool.

5.1 Crimping terminals

- ⇒ Open the hand tool fully.
- ⇒ Place the terminal in the appropriate crimp nest.
- ⇒ Close the hand tool until the terminal is held by the upper and lower crimping dies.
- ⇒ Position the stripped wire in the terminal as described in the terminal-specific TE specification.
- ✓ *Grip the wire firmly with one hand to maintain this position.*
- ⇒ Close the hand tool fully with the upper and lower handles.

CAUTION!



Risk of injury/crushing hazard

Crushing hazard when crimping, correcting the stranded wires

- Do not reach into the crimping zone while crimping (crushing hazard).

- ⇒ Then release the handles slowly and the crimping tool will open automatically.
- ✓ *The wire, including the crimped terminal, can be removed from the hand tool.*

5.2 (Possible) operating error(s)

An incorrect crimp can be produced if the maximum pressure is not achieved while crimping.



Incomplete crimps must be discarded.
Incomplete crimps must not be reworked.

In the event of incorrect operation, the hand tool can be opened prematurely by releasing the ratchet.



Figure 2: Ratchet release

- ➔ Push the ratchet release downwards until the ratchet is released.
- ➔ Open the handle.
- ➔ Remove the terminal from the crimping jaws.
- ➔ Check the function of the crimping tool.
The ratchet must automatically release at the end of the crimping process.
- ✓ *The crimping tool is ready to use again.*

6 Repair and maintenance

6.1 Daily maintenance

The following daily maintenance must be carried out by the responsible operator:

- Using a clean, soft brush or a lint-free cloth, remove dirt, dust, moisture and other residues from the crimping tool. Do not use any hard or abrasive materials that could damage the crimping tool.
- Apply sewing machine oil to all pivot points and bearing surfaces. Avoid excessive lubrication.
- The crimping tool must be stored in a clean and dry location when not in use.

6.2 Periodic inspection

- The crimping tool should be inspected regularly by suitably qualified personnel, depending on the level of use, and the inspections should be documented.
- Check the crimping tool for wear and damage, particularly in the area of the crimping nests.

7 Disposal

The crimping tool can be disposed of as normal waste or as recyclable waste where possible. Disposal must always comply with local regulations. If in doubt, the crimping tool can be sent to TE for disposal.

8 Customer Service Europe, Middle East, Africa (EMEA)

For service enquiries or technical support, please contact:

Office hours:

Monday - Thursday	8:00 - 16:00
Friday	8:00 - 14:00
Tel.	+49 (0) 6151 607 -1518

E-mail contact:

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Please note that the EMEA service hotline personnel speak German and English.

Additional information and contact details can also be found online. Visit us at:

<http://tooling.te.com/>