



Operation of the portable CF CRIMPHANDY crimping tool

Original operating instructions

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UM EN CF CRIMPHANDY, Revision 08

2025-03-10

This manual is valid for:

Designation	Item No.
CF CRIMPHANDY 0,5	1212463
CF CRIMPHANDY 0,75	1212464
CF CRIMPHANDY 1,0	1212465
CF CRIMPHANDY 1,5	1212466
CF CRIMPHANDY/ACCU	1212518
CF CRIMPHANDY/CHARGER	1212519

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1 For your safety

Read this manual carefully and keep it for future reference.

1.1 Identification of warning notes



This symbol indicates hazards that could lead to personal injury.

There are three signal words indicating the severity of a potential injury.

DANGER

Indicates a hazard with a high risk level. If this hazardous situation is not avoided, it will result in death or serious injury.

WARNING

Indicates a hazard with a medium risk level. If this hazardous situation is not avoided, it could result in death or serious injury.

CAUTION

Indicates a hazard with a low risk level. If this hazardous situation is not avoided, it could result in minor or moderate injury.



This symbol together with the **NOTE** signal word warns the reader of actions that might cause property damage or a malfunction.



Here you will find additional information or detailed sources of information.

1.2 Qualification of users

This manual is addressed to persons who are familiar with the relevant safety concepts for handling electrical machines.

The user must read this manual or be instructed by a skilled person. The user needs knowledge of how to handle the device and what to look out for. Otherwise, this may result in malfunctions.

1.3 Field of application of the product

The portable crimping tool strips conductors in one step and crimps on a ferrule. It crimps ferrules in square form.

 **NOTE: To ensure error-free use and the process reliability of the portable crimping tool, only use the conductors and ferrules described.**

Using unsuitable materials may damage the crimping tool and lead to inferior work results.

We recommend that you check the quality of the crimp connections every 5000 cycles or at the latest after a year.

The crimping tool is equipped with an inductive sensor that checks the actual conductor cross-section. If the cross-section exceeds or falls below the defined limits, the crimping tool does not trigger. The LEDs signal when a cross-section is detected as being unsuitable.

In exceptional cases, the crimping tool can process conductors even though they are not suitable. This leads to crimping results that do not conform with the standards.

Incorrect operation or modifications to the device can endanger your safety or damage the device. Do not repair the device yourself. If the device is defective, please contact Phoenix Contact.

1.4 Correct use of the battery and charger

The portable crimping tool works with a lithium-ion battery that is sufficient for at least 3000 crimping operations. The wide-range power supply unit can be used worldwide with a mains plug adapter.



WARNING: Important safety notes for lithium-ion batteries

Risk of short circuit, fire, explosion, electric shock, or damage to health

- Do not charge the battery if it is damaged.
- Only charge the battery with the following charger: CF CRIMPHANDY/CHARGER, 1212519
- Keep the battery away from metal objects. Paper clips, coins, keys, nails, and other metal objects that touch the contacts may cause a short circuit.
- Never expose the battery to fire, water, or moisture. There is a risk of explosion.
- Do not expose the battery to direct sunlight.
- Do not place the battery on heat sources (e.g., heaters).
- Never touch the contact surfaces of the charger.
- Do not open the battery housing. Do not break apart the cells.

Note the following when charging the battery

- Do not charge the battery in a closed container. Ventilation must be ensured during charging.
- To ensure a long service life for the lithium-ion battery, store it without charging it.
- Charge the battery at ambient temperatures from +5°C ... +40°C, ideally at +15°C ... +25°C.
- During charging, the indicator light on the charger lights up red. When the battery is fully charged, the indicator light lights up green.
- Remove the battery from the charger once it has been fully charged. Disconnect the charger from the mains.
- The charging duration is 65 minutes, the battery can be used after 20 minutes.
- Only use the charger with the following battery: CF CRIMPHANDY/ACCU, 1212518. Failure to observe this requirement may result in the battery exploding.

1.5 Disposal



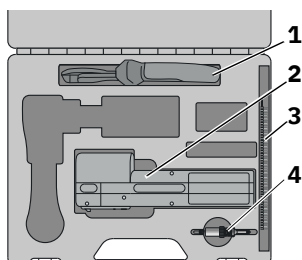
The symbol with the crossed-out trash can indicates that this item must be collected and disposed of separately from other waste. Phoenix Contact or public collection sites will take the item back for free disposal. For information on the available disposal options, visit phoenixcontact.com. Collect and dispose of included batteries separately from other waste.



Dispose of batteries separately from other waste via specialized companies or appropriate collection sites in accordance with national laws.

2 Description of the crimping tool

2.1 Scope of supply



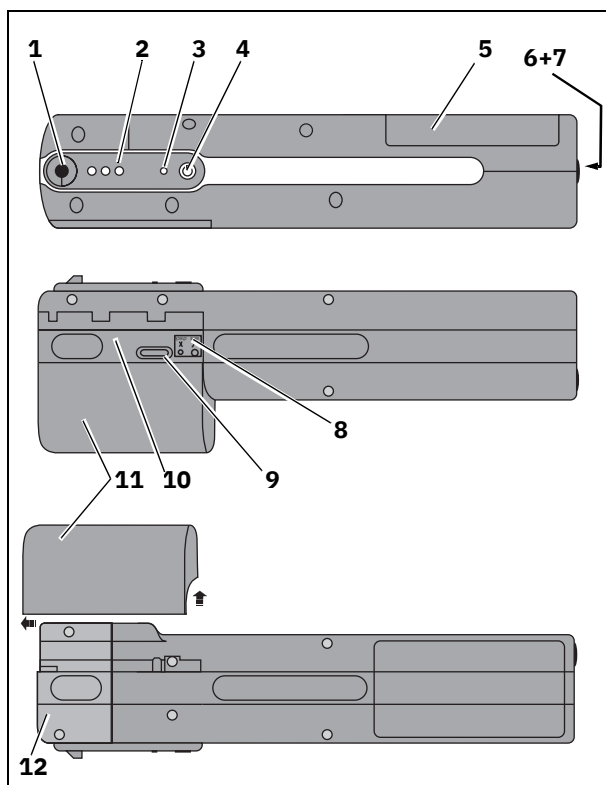
Case contents:

- 1** Cable cutter
- 2** Crimping tool
- 3** Ferrule tape
- 4** Service tool
- Laminated brief instructions
- Waste guide plate (GP2), see [Section 4.9](#)
- This manual

Necessary accessories

- Charger (CF CRIMPHANDY/CHARGER, 1212519)
- Battery (CF CRIMPHANDY/ACCU, 1212518)


2.2 Overview of the operating elements




Crimping tool

- 1** Shaft for conductor
- 2** Pilot lights
- 3** Reset button
The reset button may only be used in the course of troubleshooting as described in [Section 4](#).
- 4** ON button
- 5** Battery compartment
- 6** Release button for battery compartment
- 7** M5 thread for attaching the crimping tool to a balancer
- 8** Wire check
- 9** Window for ferrule magazine
- 10** Flap for opening the ferrule magazine
- 11** Waste container
- 12** Service cover

3 Operating the crimping tool

 **NOTE:** Only use the crimping tool at ambient temperatures of +15°C ... +30°C.

 **NOTE:** Do not remove the battery during the crimping process.

3.1 Suitable conductors and ferrules

Suitable conductors

The mobile crimping tool is designed to process fine-stranded class 5 conductors with PVC insulation in accordance with IEC 60228. Only use type H05V-K and H07V-K conductors. Conductors with very hard insulation such as rubber, silicone, Teflon, and textile insulation are not suitable.

Avoid processing conductors that are very cold (e.g., directly from an unheated warehouse). The colder the materials to be processed are, the harder and more resistant they become. This can lead to increased wear or to mechanical damage.

Please note that the crimping tool can only process a specific conductor cross-section. A significantly deviating conductor cross-section will be detected and not processed. It may be possible to process similar conductor cross-sections, but this could endanger the electrical connection. Make sure that the conductor cross-section and ferrules fit together.

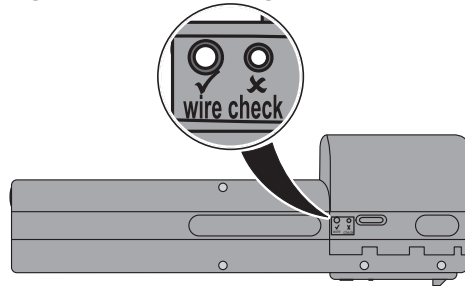
Device type	Metric conductor cross-section	Outside diameter	Conductor type
CF CRIMPHANDY 0,5	0.5 mm ²	1.7 mm ... 2.4 mm	H05V-K
CF CRIMPHANDY 0,75	0.75 mm ²	1.9 mm ... 2.6 mm	H05V-K
CF CRIMPHANDY 1,0	1.0 mm ²	2.0 mm ... 2.7 mm	H05V-K
CF CRIMPHANDY 1,5	1.5 mm ²	2.4 mm ... 3.1 mm	H07V-K

Wire check


For checking the outside conductor diameter, the mobile crimping tool has two openings that are labeled “wire check”. The conductor has to fit in the opening that is labeled with the checkmark. If the conductor fits in the small opening with the cross, you must not use it.

Conductors that are too thick or too thin cause the crimping tool to be damaged.

Figure 3-1 Checking the outside diameter of the conductor

**Suitable ferrules**

Only use ferrule tape from Phoenix Contact that has a specific function end. This special design is required for safe operation.

Device type	Ferrule tape from Phoenix Contact				
CF CRIMPHANDY 0,5	AI 0,5-8 WH-S	1212521	AI 0,5-8 OG-S	1212784	
CF CRIMPHANDY 0,75	AI 0,75-8 GY-S	1212522	AI 0,75-8 BU-S	1212785	
			AI 0,75-8 WH-S	1212783	
CF CRIMPHANDY 1,0	AI 1,0-8 RD-S	1212523	AI 1,0-8 YE-S	1212782	
CF CRIMPHANDY 1,5	AI 1,5-8 BK-S	1212524	AI 1,5-8 RD-S	1212781	

Preparing the conductor

In order to ensure optimum operation of the portable crimping tool, the conductor must be prepared correctly. Make sure that the conductors are always cut straight. Do not use crimped, diagonally cut, or already stripped conductors. Even for very short conductors it may happen that they are not crimped correctly.

Only use cable cutters with sharp blades that cut the conductors and do not squeeze them. Do not use diagonal cutters or similar unsuitable tools.

Quality of the crimping result

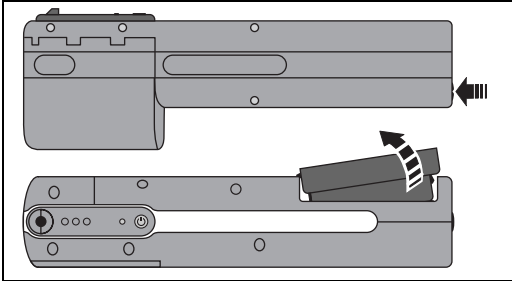
The quality of the crimping result depends on:

- The stranding of the conductor
- The processing temperature
- The tolerance at the cross-section



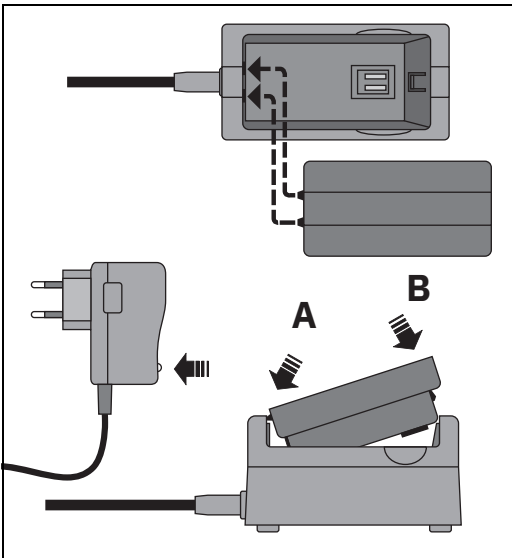
NOTE: The user has to make sure that only suitable materials are used.

3.2 Charging the battery



Unlocking the battery compartment

- Press the release button on the bottom of the crimping tool. The battery springs into the removal position.
- Remove the battery from the crimping tool.

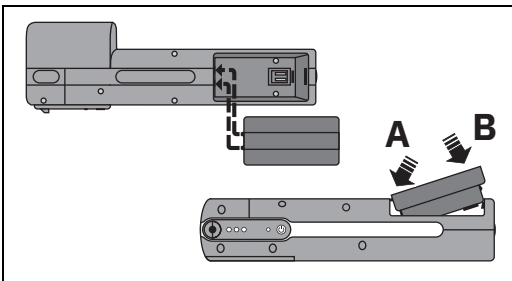


The battery is already charged when delivered.

Charging the battery

! **NOTE:** Please refer to section 1.4 “Correct use of the battery and charger”.

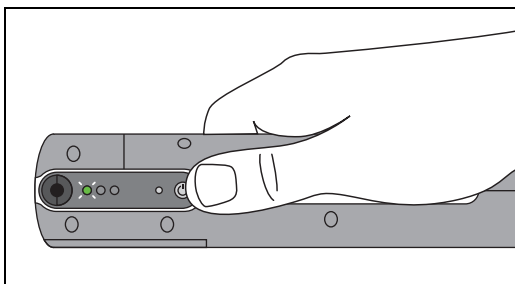
- Place both pins of the battery in the recesses on the cable side of the charger.
 - Press down on the battery at the opposite end.
 - Insert the mains plug into the socket.
- During charging, the indicator light on the mains plug lights up red. It changes to green when the charging process has been completed.



Inserting the battery in the crimping tool

- Insert the battery in the battery compartment of the crimping tool.
 - Proceed in the same way as for inserting the battery in the charger.
- The recesses are towards the front of the device.
The battery engages with a click.

3.3 Switching on the crimping tool



Switching on the crimping tool

- Press the ON button briefly. The green indicator light flashes. The crimping tool is ready for use. The yellow light flashes if no ferrule tape is inserted.
- If the ON button is held down longer when switching on, the three indicator lights indicate the charging state of the battery.
 - Green = battery full
 - Yellow = battery half full
 - Red = battery almost empty

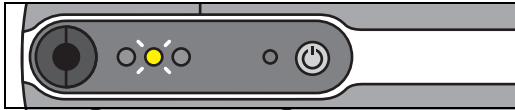
Troubleshooting

- When the green and red indicator lights flash simultaneously, the battery is empty. Follow the instructions for charging the battery (see [page 12](#)).
- When the yellow indicator light flashes, follow the sequence for inserting a ferrule tape (see [page 14](#)).

Switching off the crimping tool

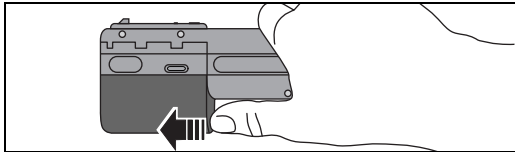
- Press the ON button for approx. three seconds. The three indicator lights briefly show the charging state of the battery. After approximately five minutes of no activity, the crimping tool switches itself off automatically.

3.4 Inserting the ferrule tape



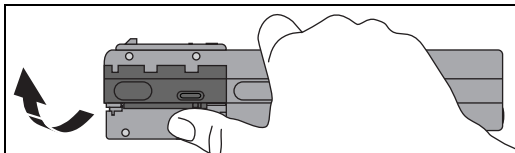
The yellow indicator light flashes.

- If the yellow indicator light is **not** flashing, do not insert a ferrule tape under any circumstances.



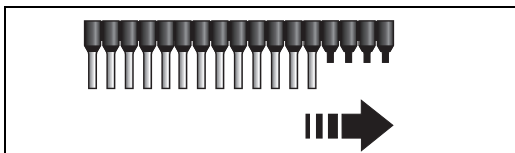
Removing the waste receptacle

- Using your thumb, slide the waste receptacle towards the front of the device and remove it with a downward motion.



Opening the lid

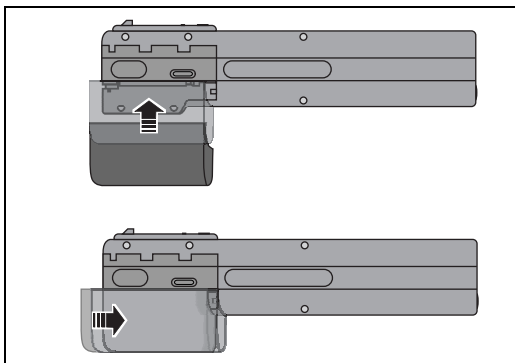
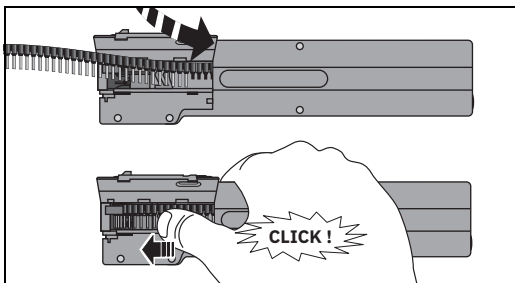
- Flip the lid upwards to open. There will be slight resistance when doing this.



Inserting the ferrule tape

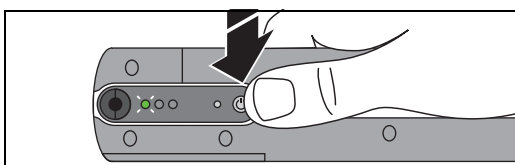
! **NOTE:** Only use suitable ferrule tape (see [page 11](#)). These tapes have a function end that is required for error-free operation. Do not insert damaged or bent tapes.

- Insert the ferrule tape, starting with the function end (four plastic ferrules), as far as it will go to the right into the guide shaft.
- Then push the ferrule tape to the left as far as it will go into the guide shaft until it engages.



Closing the lid and attaching the waste receptacle

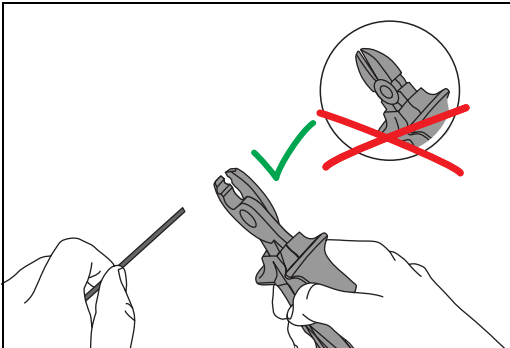
- Close the lid.
- When attaching the waste receptacle, place it so that it is flush with the lid (the waste receptacle will be around five millimeters over the front edge of the crimping tool).
- Push the waste receptacle into the end position parallel to the crimping tool until it snaps in and is flush with the front of the device.



Loading the ferrule tape

- Press the ON button.
- ↳ You will hear a sound of movement and the green indicator light will flash. The crimping tool is ready for use.

3.5 Crimping



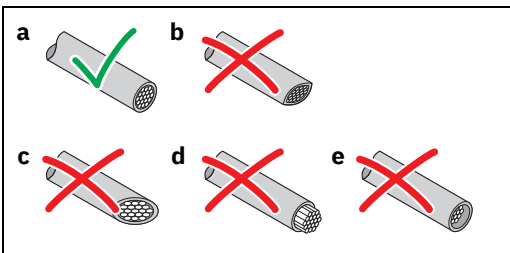
Cutting conductors to size



NOTE: Damage to the crimping tool

Make sure that the conductors are always cut straight. Do not use crimped, diagonally cut, or already stripped conductors.

Only use cable cutters with sharp blades that cut the conductors and do not squeeze them. Do not use diagonal cutters or similar unsuitable tools.

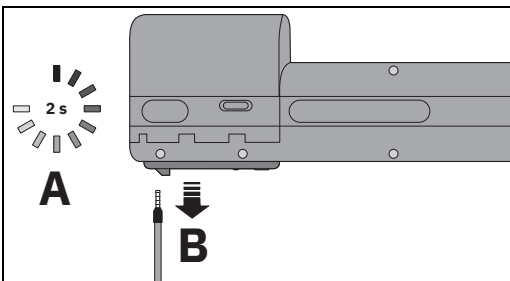
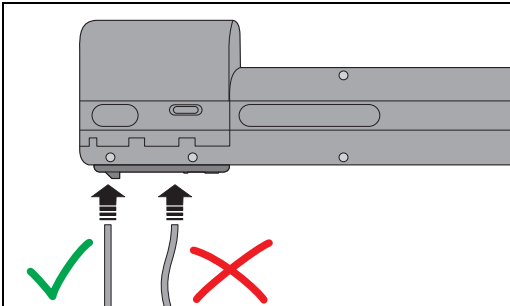


- Cut the conductor straight and cleanly with a CUTFOX 12 cable cutter.
 - Proper cut
 - Cut surface squeezed
 - Cut surface angled
 - Litz wires are longer than the insulation
 - Litz wires are shorter than the insulation
- Optionally, a cutting unit is available that is attached to the crimping tool (CF CRIMPHANDY CUTTER, 1212520).

Inserting the conductor

- Insert the conductor straight and **without force** into the shaft. It may be helpful to turn the conductor slightly around its own axis.

The conductor is processed. You will hear a crimping sound. As soon as the conductor is being processed, you must not pull or push at it.

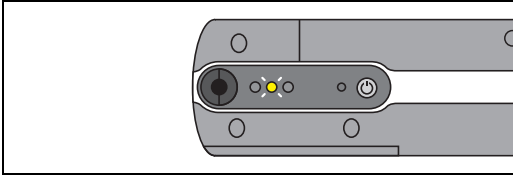


- When after approx. two seconds the process is concluded, pull the conductor out straight. When the green indicator light flashes, the crimping tool is ready for use again.



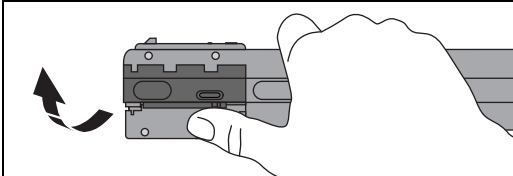
We recommend checking the pull-out forces regularly. Check that ferrule and conductor are correctly crimped.

3.6 Loading the ferrule tape



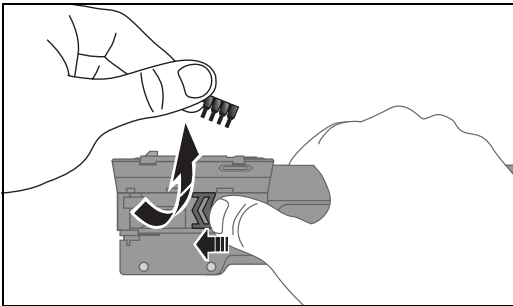
The yellow indicator light flashes. The ferrule magazine is empty.

- Remove the waste receptacle and dispose of the insulation remnants.



Opening the lid

- Flip the lid upwards to open. There will be slight resistance when doing this.



Removing the remnants of the tape

- Push the slide towards the front of the device.
- Hold the slide in this position and remove the remnants of the tape. Please make sure that the remnants of the tape do not fall into the guide shaft.

Inserting the ferrule tape

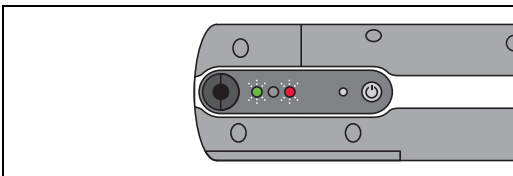
- See [page 14](#).

3.7 Removing the battery

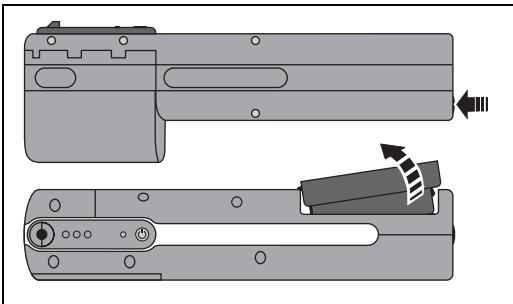


NOTE: Damage to the crimping tool

Never remove the battery during the crimping process or troubleshooting. The conductor should be taken out before the battery is removed.



The green and red indicator lights flash simultaneously at short intervals. The battery is empty and has to be charged.



Unlocking the battery compartment

- Press the release button on the bottom of the crimping tool. The battery springs into the removal position.
- Remove the battery from the crimping tool.

Charging the battery

- See [page 12](#).

4 Troubleshooting



NOTE: Damage to the crimping tool

Faults, such as a jammed conductor, can be remedied using the steps described below.

Never remove the battery during troubleshooting.

You may open the service cover to shake out loose parts. Do not loosen the screws of the housing to open it. This can damage the crimping tool.











4.1 Overview of possible faults

Fault	Cause	Remedy
Device will not switch on	<ul style="list-style-type: none"> Problems with the power supply 	<ul style="list-style-type: none"> Check the battery Clean the battery compartment
The green indicator light flashes, but the device does not trip or the conductor cannot be inserted	<ul style="list-style-type: none"> The battery was removed during a crimping cycle Problems with the power supply The conductor is not recognized The crimping unit has been shifted manually 	<ul style="list-style-type: none"> Initialize the device (see page 27)
The green indicator light flashes, but there is still a conductor in the device	<ul style="list-style-type: none"> The conductor was not correctly prepared (see page 15) The conductor was inserted with too much force The conductor was pulled out too early The conductor does not correspond to the specifications 	<ul style="list-style-type: none"> Carefully turn the conductor and pull it out
	<ul style="list-style-type: none"> The battery was removed during the crimping process 	<ul style="list-style-type: none"> Screw in the service tool and remove the conductor Then initialize the device (see page 27)
The green and red indicator lights flash slowly, but the conductor is correct	<ul style="list-style-type: none"> The conductor is not recognized The conductor is recognized as having an incorrect cross-section 	<ul style="list-style-type: none"> Switch off the device without the conductor, and then switch on again Check the stranding of the wires Check if the conductor corresponds to the specifications Check the temperature range

CF CRIMPHANDY

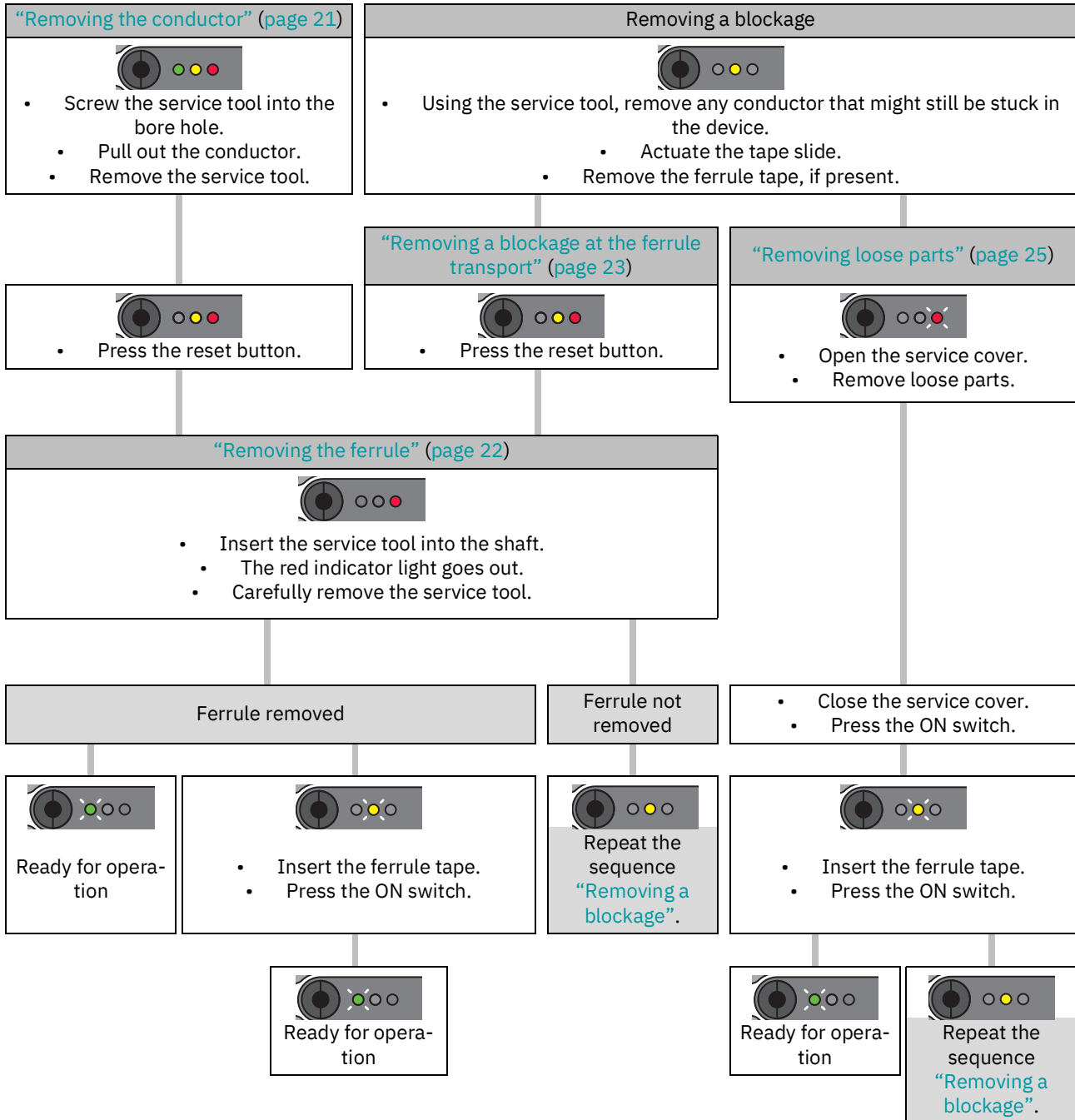
Fault	Cause	Remedy
Errors re-occur several times	– The conductor does not correspond to the specifications	– Check if the conductor corresponds to the specifications
	– Wear of the stripping blade Indications for wear of the blade are rough and asymmetrical cut edges on the insulation remnants in the waste receptacle	– Please contact Phoenix Contact
	– The conductor was not correctly prepared (see page 15).	– Prepare the conductor according to specifications

4.2 Meaning of the indicator lights

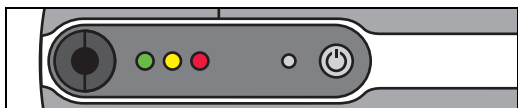
	Green	Yellow	Red	Meaning or action	For remedy see
	Long flashing	–	–	Ready for operation	–
	Short flashing	–	Short flashing	Rechargeable battery is dead	page 16
	Long flashing	–	Long flashing	Conductor cross-section is too small or too big	–
	–	Long flashing	–	Insert the ferrule tape. Press the ON switch.	page 14
	–	On	–	Remove the ferrule tape. If none is inserted, actuate the tape slide.	page 23
	On	On	On	A conductor is stuck in the crimping tool. Screw in the service tool on the threaded side and remove the conductor.	page 21
	–	On	On	Press the reset button.	–
	–	–	On	Check if a ferrule without conductor is stuck in the crimping tool. To do so, push in the service tool on the plastic side until the red indicator light goes out. Then carefully remove the service tool.	page 22
	–	–	Long flashing	Open the service cover. Remove loose parts from the device and close the service cover again. Remove any conductor that is stuck in the device. Screw in the service tool on the threaded side and remove the conductor. Remove the service tool. Press the ON switch.	page 25
	Running light			No action is required if the running light appears briefly. If the running light appears continuously, start initializing the device. If this does not work, please contact Phoenix Contact.	page 27

4.3 Troubleshooting sequences

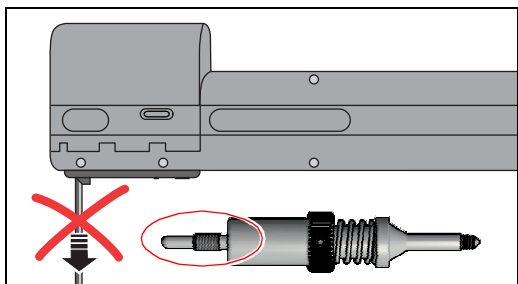
The diagram of the sequences is to provide you with an overview. The crimping tool guides the user through the entire troubleshooting procedure.



4.4 Removing the conductor

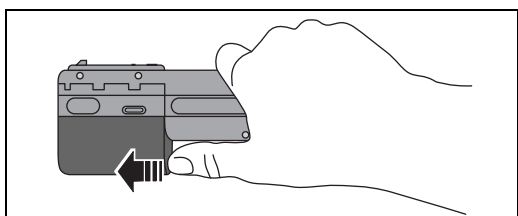


The three indicator lights light up simultaneously.



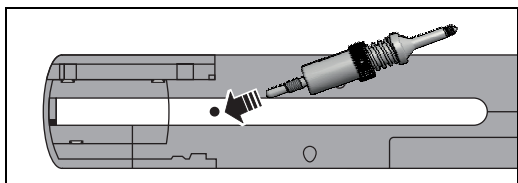
Following crimping, the conductor cannot be removed from the crimping tool.

- Take the service tool from the storage case.



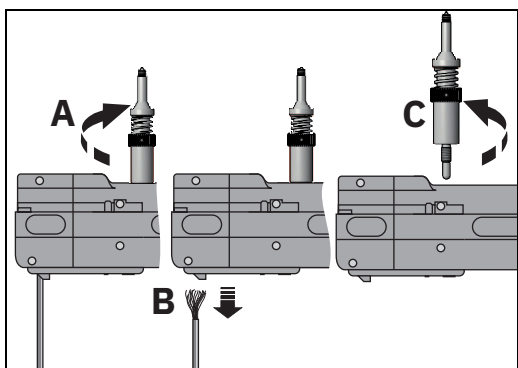
Removing the waste receptacle

- Using your thumb, slide the waste receptacle towards the front of the device and remove it with a downward motion.



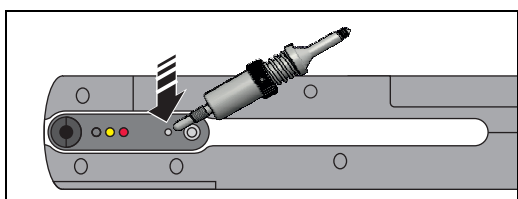
Screwing in the service tool and removing the conductor

On the bottom of the crimping tool you will see a bore hole with an inner thread.



NOTE: While the service tool is screwed in, do not press the reset button under any circumstances. This will damage the crimping tool.

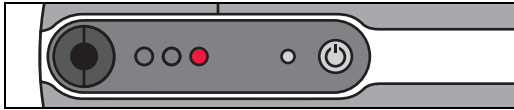
- Screw the service tool with the thread into the bore hole as far as it will go. Make sure that the service tool is not screwed too tight.
- Now carefully remove the conductor from the shaft.
- Unscrew the service tool again.
- Reattach the waste receptacle (see [page 14](#)).



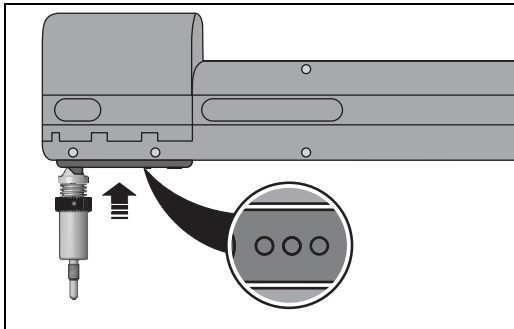
- ↪ The yellow and red indicator lights light up.
- Press the reset button with the service tool.

If the red indicator light lights up, follow the sequence for removing a ferrule from the shaft (see [page 22](#)).

4.5 Removing the ferrule

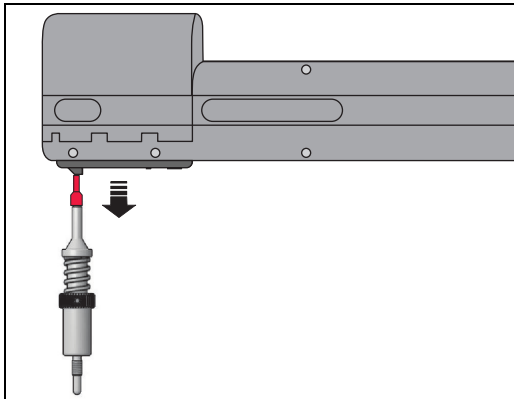


The red indicator light lights up.

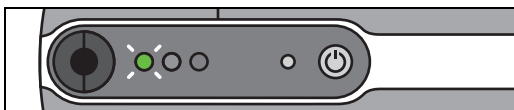


Inserting the service tool in the shaft

- Insert the service tool with the plastic side straight into the shaft as far as it will go.
- Press in the spring until the red indicator light goes out.



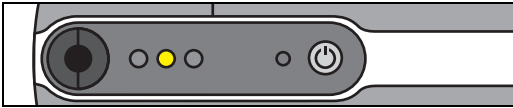
- Carefully pull the service tool out straight.
If there was a ferrule in the crimping die, it sticks to the service tool.
It is possible that no ferrule has been caught. The crimping tool detects this and continues with further measures for remedying the fault.



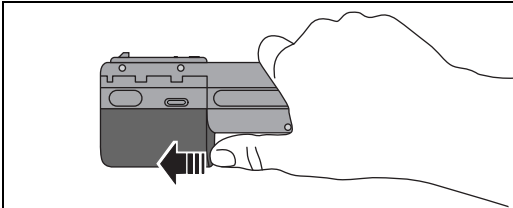
If the green indicator light flashes, the crimping tool is ready.

If the yellow indicator light flashes, no ferrule could be removed. Follow the sequence for removing loose parts from the device (see [page 25](#)).

4.6 Removing a blockage at the ferrule transport

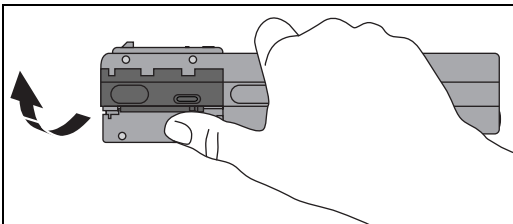


The yellow indicator light lights up. There is a mechanical blockage in the ferrule transport.



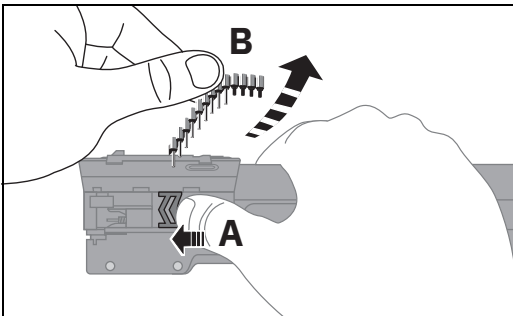
Removing the waste receptacle

- Using your thumb, slide the waste receptacle towards the front of the device and remove it with a downward motion.



Opening the lid

- Flip the lid upwards to open. There will be slight resistance when doing this.

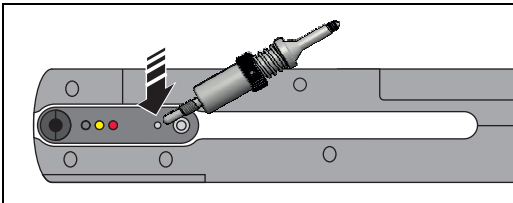


Removing the ferrule tape

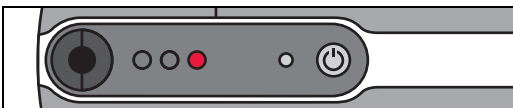
- Push the slide towards the front of the device.
- Hold the slide in this position and remove the ferrule tape.
- Always actuate the slide even if no tape was inserted.



NOTE: No ferrule tape may remain in the device.

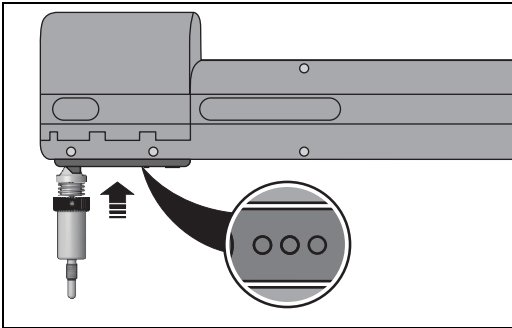


- ↪ The yellow and red indicator lights light up.
- Press the reset button with the service tool.



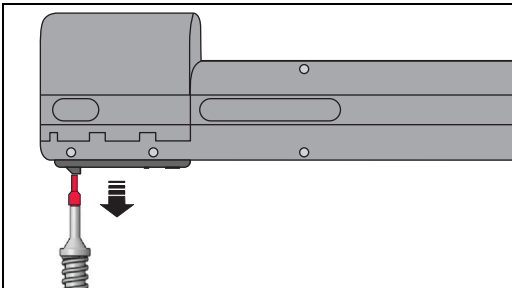
- ↪ The red indicator light lights up.

If the red indicator light flashes, follow the sequence for removing loose parts (see [page 25](#), from “Taking off the service cover”).

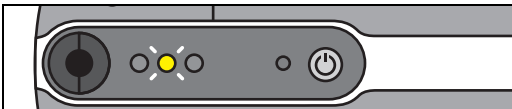


Inserting the service tool in the shaft

- Insert the service tool with the plastic side straight into the shaft as far as it will go.
- Press in the spring until the red indicator light goes out.



- Carefully pull the service tool out straight.
If there was a ferrule in the crimping die, it now sticks to the service tool.
It is possible that no ferrule has been caught. The crimping tool detects this and continues with further measures for remedying the fault.



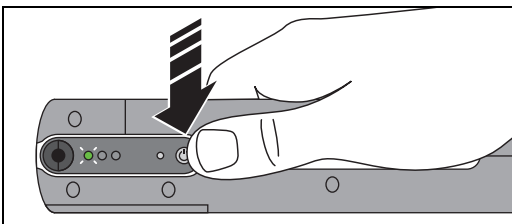
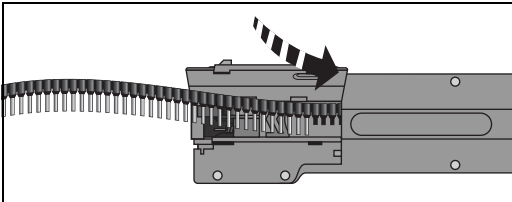
↪ The yellow indicator light flashes.

If the yellow indicator light flashes, no ferrule could be removed. Follow the sequence for removing loose parts from the device (see [page 25](#)).



Inserting the ferrule tape

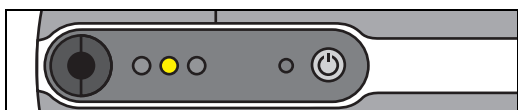
- Check if the ferrule tape is damaged.
- Detach damaged ferrules from the tape.
- Reinsert the ferrule tape (see [page 14](#)).
- Reattach the waste receptacle (see [page 14](#)).



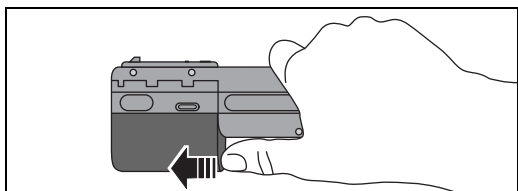
Loading the ferrule tape

- Press the ON button.
- ↪ You will hear a sound of movement and the green indicator light will flash. The crimping tool is ready for use.

4.7 Removing loose parts

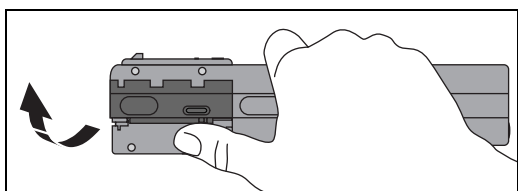


The yellow indicator light lights up.



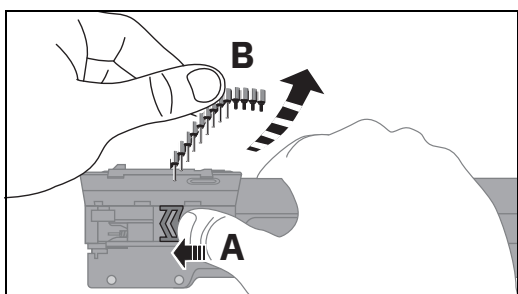
Removing the waste receptacle

- Using your thumb, slide the waste receptacle towards the front of the device and remove it with a downward motion.



Opening the lid

- Flip the lid upwards to open. There will be slight resistance when doing this.

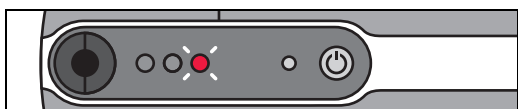


Removing the ferrule tape

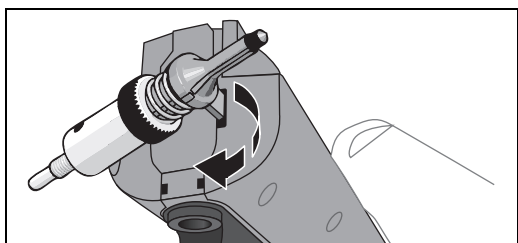
- Push the slide towards the front of the device.
- Hold the slide in this position and remove the ferrule tape.
- Always actuate the slide even if no tape was inserted.



NOTE: No ferrule tape may remain in the device.

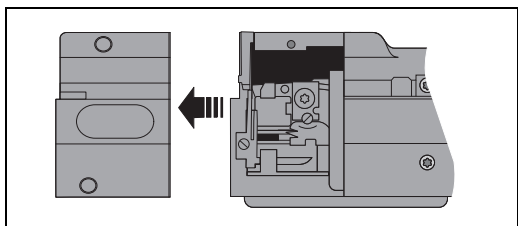


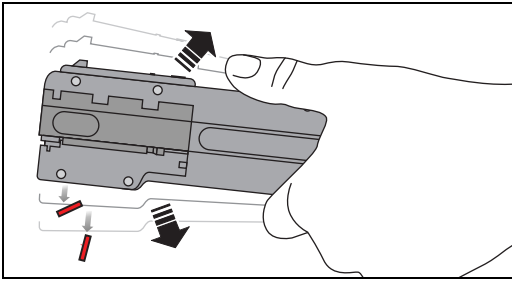
↪ The red indicator light flashes.



Taking off the service cover

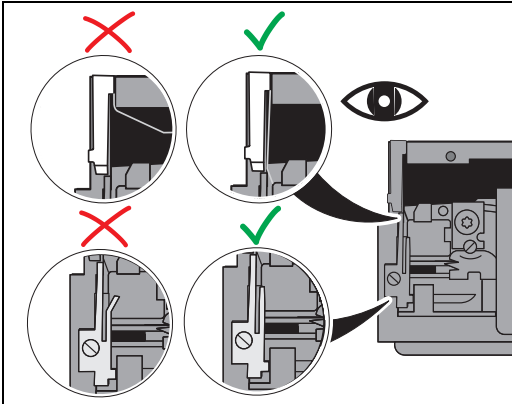
- Loosen the service cover with the service tool.
For this, the service tool has a plastic protrusion that fits in a recess at the front side of the device.
With a slight turning movement, pry open the service cover.
- Take off the service cover. The crimping tool turns off automatically.





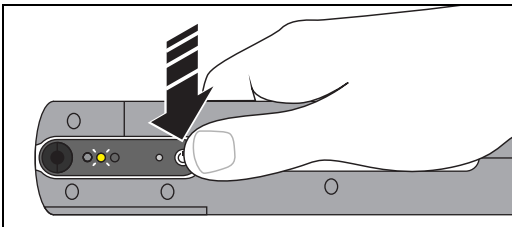
Shaking out loose parts

- Check if there are any loose parts in the device.
- Shake the loose parts out of the device. Do not use any tool that could damage the crimping tool.
- If a conductor is still sticking in the device, remove it as described on [page 21](#).



Checking the waste guide plates

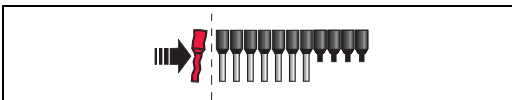
- Check whether the two waste guide plates are undamaged.
- If a waste guide plate is bent, you must replace it (see [page 28](#)).



Switching on the crimping tool

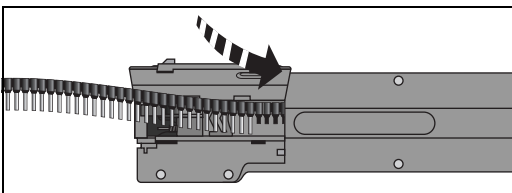
- **Reattach the service cover.**
 - Press the ON button.
- ↪ The yellow indicator light flashes.

If the yellow indicator light lights up, follow the sequence for removing a blockage (see [page 23](#)).



Inserting the ferrule tape

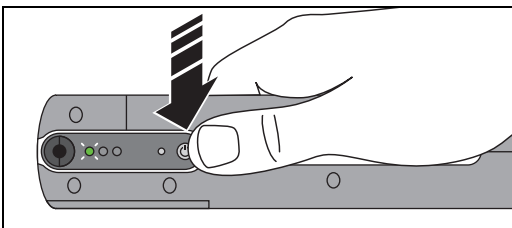
- Check if the ferrule tape is damaged.
- Detach damaged ferrules from the tape.
- Reinsert the ferrule tape (see [page 14](#)).
- Reattach the waste receptacle (see [page 14](#)).



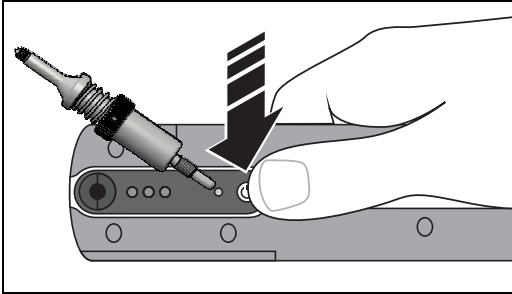
Loading the ferrule tape

- Press the ON button.
- ↪ You will hear a sound of movement and the green indicator light will flash. The crimping tool is ready for use.

If the yellow indicator light lights up, follow the sequence for removing a blockage (see [page 23](#)).



4.8 Initializing the crimping tool (reset)



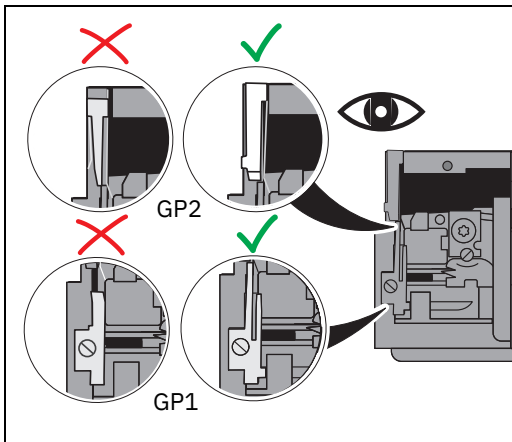
In exceptional cases, it is possible to initialize the device.

- Switch off the device.
- Hold the reset button pressed with the service tool.
- Press the ON button as well.
- Release the ON button first.
- Release the reset button.

The yellow indicator light lights up.

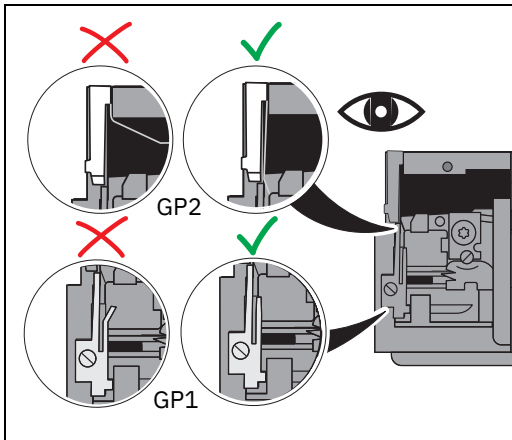
- Follow the sequence for removing loose parts from the device (see [page 25](#)).
- If this does not work, please contact Phoenix Contact.

4.9 Replacing the waste guide plates



Checking the unit version

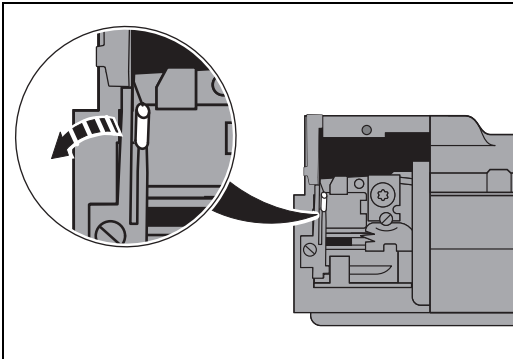
- Check which type of waste guide plate is installed in your crimping tool. You can only replace waste guide plates from newer devices. Older devices must be sent to Phoenix Contact. There the device is retrofitted to conform to the current version.



Checking the waste guide plates

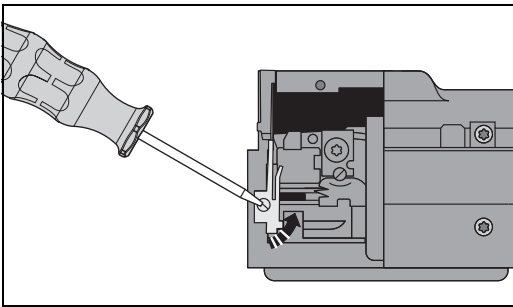
- Check whether the two waste guide plates are undamaged.
- If a waste guide plate is bent, you must replace it.
- Ordering data for the upper waste guide plate (GP2)
 - CF CRIMPHANDY 0,5/GP2, 1212515
 - CF CRIMPHANDY 0,75/GP2, 1212516
 - CF CRIMPHANDY 1,0/GP2, 1212517
 - CF CRIMPHANDY 1,5/GP2, 1212844
- Ordering data for the lower waste guide plate (GP1)
 - CF CRIMPHANDY/GP1, 1212514

4.9.1 Replacing waste guide plate GP1



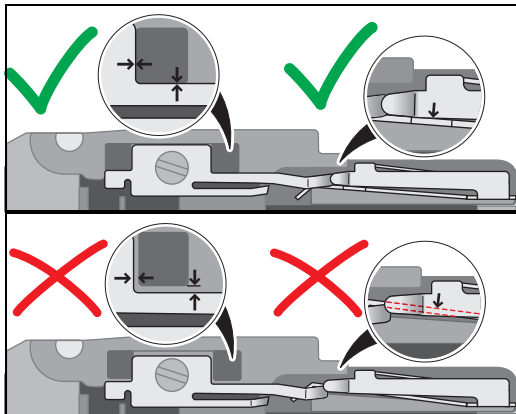
Removing residual insulation

- Check if there is still residual insulation under waste guide plate GP1.



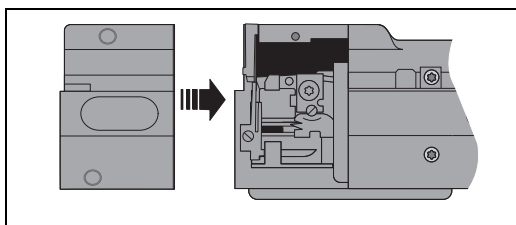
Removing waste guide plate GP1

- Release the screw from the waste guide plate.
- Remove the waste guide plate.



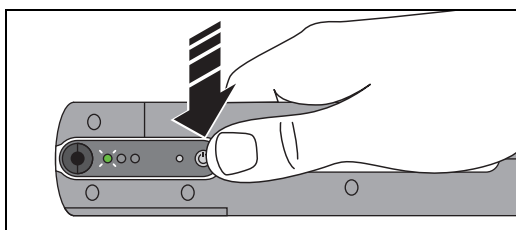
Inserting new waste guide plate GP1

- Insert the new waste guide plate.
- Ordering data: CF CRIMPHANDY/GP1, 1212514
- Check for proper fitting in the slot.
- Re-tighten the screw.



Attaching the service cover

- Put the service cover on again.



Loading the ferrule tape

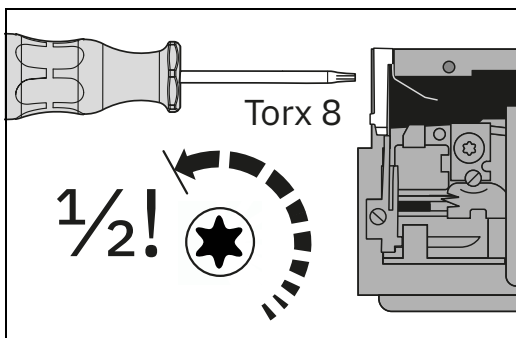
- Press the ON button.

You will hear a sound of movement and the green indicator light will flash. The crimping tool is ready for use.

If the yellow indicator light flashes, insert a ferrule tape (see [page 14](#)).

If the yellow indicator light lights up, follow the sequence for removing a blockage (see [page 23](#)).

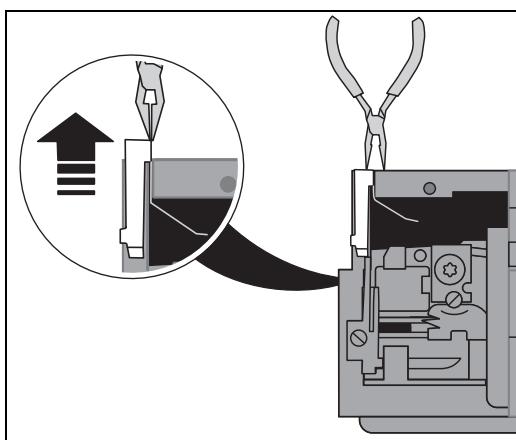
4.9.2 Replacing waste guide plate GP2



Removing the screws

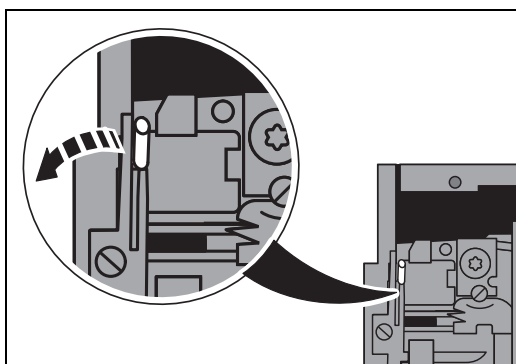
! **NOTE:** If you screw out the screw too far, the crimping tool will be damaged. A half turn is sufficient to release the waste guide plate.

- Loosen the screw with a Torx 8 screwdriver by exactly half of a rotation.



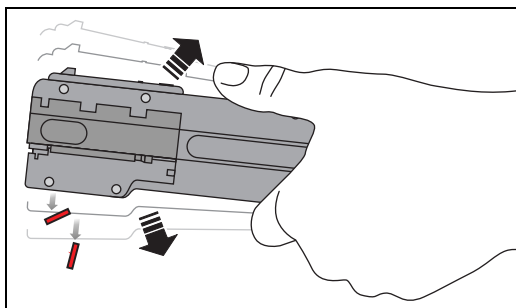
Removing the waste guide plate

- Pull out the waste guide plate with a needle-nose pliers.



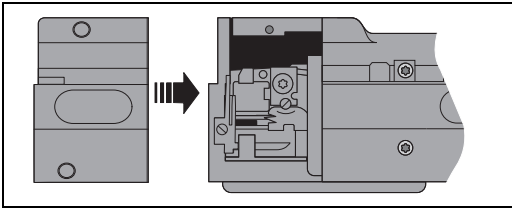
Removing residual insulation

- Check if there is still residual insulation under waste guide plate GP1.



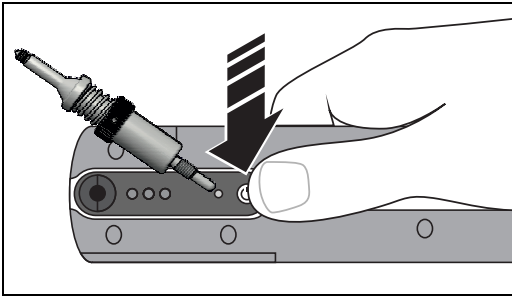
Shaking out loose parts

- Check if there are any loose parts in the device.
- Shake the loose parts out of the device. Do not use any tool that could damage the crimping tool.



Attaching the service cover

- Put on the service cover again when the device is switched off.



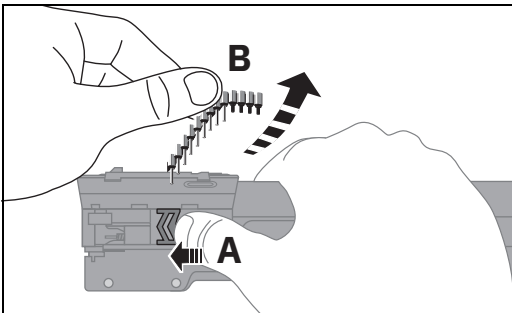
Initializing the crimping tool (reset)

Initialize the device so that it returns to the initial position.

The device must be switched off.

- Hold the reset button pressed with the service tool.
- Press the ON button as well.
- Release the ON button first.
- Release the reset button.

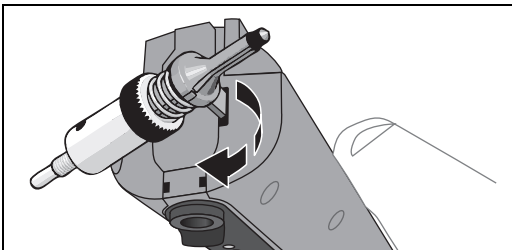
↪ The yellow indicator light lights up.



Removing the ferrule tape

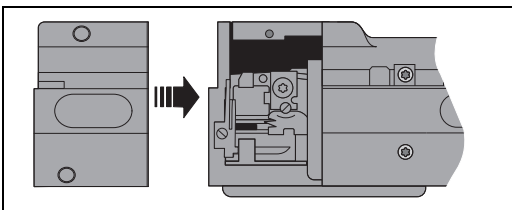
- Push the slide towards the front of the device.
- Hold the slide in this position and remove the ferrule tape.
- Always actuate the slide even if no tape was inserted.

! **NOTE:** No ferrule tape may remain in the device.



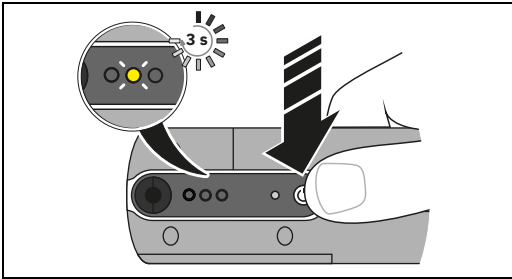
Taking off the service cover

- Take off the service cover. The crimping tool turns off automatically.



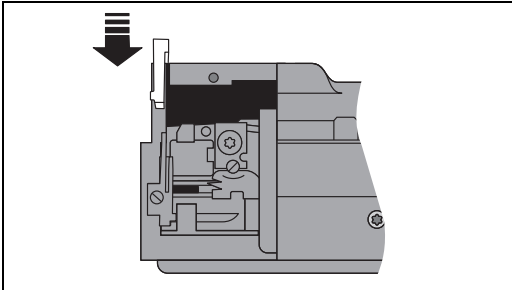
Attaching the service cover

- Put on the service cover again when the device is switched off.



Switching on the crimping tool

- Press the ON button.
After approx. three seconds, the yellow indicator light flashes.



Inserting the waste guide plate

- Take off the service cover. The crimping tool turns off automatically.
- Insert the new waste guide plate. Make sure you select the correct waste guide plate GP2 for your crimping tool.

Ordering data:

CF CRIMPHANDY 0,5/GP2, 1212515

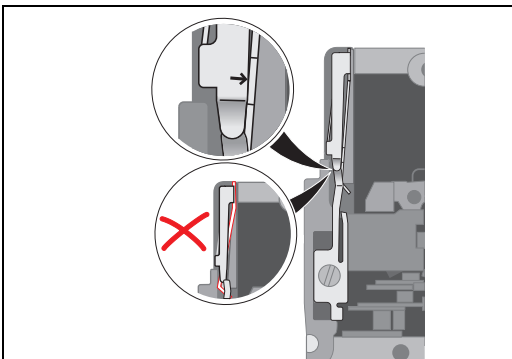
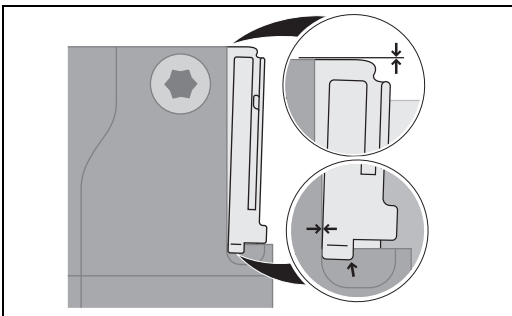
CF CRIMPHANDY 0,75/GP2, 1212516

CF CRIMPHANDY 1,0/GP2, 1212517

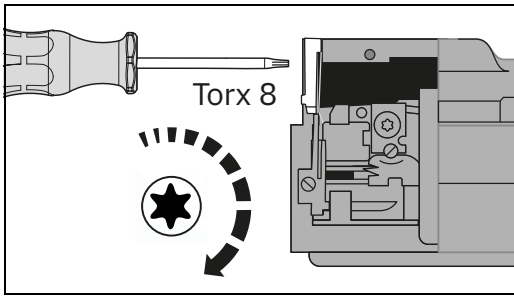
CF CRIMPHANDY 1,5/GP2, 1212844

- The small lug must be on the small inclined surface. If the lug is pushed behind this surface, the new plate will be bent with its first use. (This lug is indicated in the lower magnifying glass with the single arrow.)

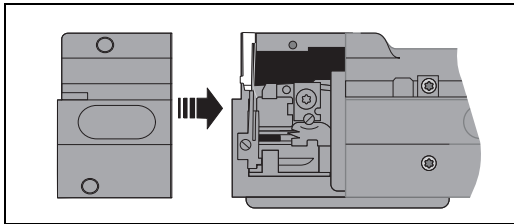
It is important that the waste guide plate is cleanly engaged and does not protrude from the housing frame.



- Observe the position of the bracket of waste guide plate GP2.

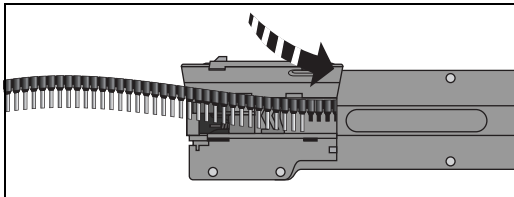


- Hold the waste guide plate in position.
- Retighten the screw.



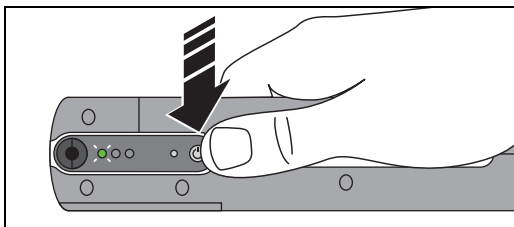
Attaching the service cover

- Put the service cover on again.



Inserting the ferrule tape

- Reinsert the ferrule tape (see [page 14](#)).
- Reattach the waste receptacle (see [page 14](#)).



Loading the ferrule tape

- Press the ON button.
- ↳ You will hear a sound of movement and the green indicator light will flash. The crimping tool is ready for use.

If the yellow indicator light lights up, follow the sequence for removing a blockage (see [page 23](#)).

4.10 Returning a product

When returning a product, please enclose a short description of how the fault occurred. We will also require incorrect results of crimping, insulation remnants, and one meter of the cable used.

A Appendix

A 1 Technical data

Technical data for crimping tool

Working cycle	< 2 s
Automatic shutdown	After 5 min
Crimping	Square crimp
Contact connection type	Insulated ferrules of type AI...-8...-S
Ferrule length	8 mm
Ferrule capacity	50 pcs
Insertion length of conductor	32 mm
Conductor type	H05V-K/H07V-K (see table below)
Insulation type	PVC
Crimp cycles per battery charge	Up to 3000
Ambient temperature, operating	+15°C ... +30°C
Dimensions (W x H x D)	43 mm x 205 mm x 70 mm
Weight	450 g
Noise emission L_{pA}	< 70 dB (A)
Work cycle trigger	Sensor
Controller	Electrical
Indicators	Indicator lights (LEDs) for status indication

Technical data for battery (CF CRIMPHANDY/ACCU, 1212518)

Type	Lithium-ion battery
Voltage	7.4 V DC
Nominal energy	5.92 Wh
Capacity	800 mAh

Technical data for charger (CF CRIMPHANDY/CHARGER, 1212519)

Mains voltage	100 V AC ... 240 V AC/50 Hz ... 60 Hz
Battery charging duration	65 min approx./can be used after 20 min
Output	8.4 V DC/0.8 A/6.72 W
Ambient temperature, operating	+5°C ... +40°C

Device type	Metric conductor cross-section	Outside diameter	Conductor type
CF CRIMPHANDY 0,5	0.5 mm ²	1.7 mm ... 2.4 mm	H05V-K
CF CRIMPHANDY 0,75	0.75 mm ²	1.9 mm ... 2.6 mm	H05V-K
CF CRIMPHANDY 1,0	1.0 mm ²	2.0 mm ... 2.7 mm	H05V-K
CF CRIMPHANDY 1,5	1.5 mm ²	2.4 mm ... 3.1 mm	H07V-K

A 2 Ordering data

Portable crimping tool

Description	Designation	Item No.
Portable crimping tool		
For a cross-section of 0.5 mm ²	CF CRIMPHANDY 0,5	1212463
For a cross-section of 0.75 mm ²	CF CRIMPHANDY 0,75	1212464
For a cross-section of 1.0 mm ²	CF CRIMPHANDY 1,0	1212465
For a cross-section of 1.5 mm ²	CF CRIMPHANDY 1,5	1212466

Accessories

Description	Designation	Item No.
Battery	CF CRIMPHANDY/ACCU	1212518
Charger	CF CRIMPHANDY/CHARGER	1212519
Cable cutter , for copper and aluminum up to 12 mm diameter (up to 35 mm ²)	CUTFOX 12	1212128
Cutting unit , for CF CRIMPHANDY..., for stranded copper conductors from 0.5 mm ² - 1.5 mm ² , incl. waste receptacle	CF CRIMPHANDY CUTTER	1212520

Replacement parts

Description	Designation	Item No.
Replacement service tool		
For CF CRIMPHANDY 0,5	CF CRIMPHANDY 0,5/SERVICE-TOOL	1212787
For CF CRIMPHANDY 0,75	CF CRIMPHANDY 0,75/SERVICE-TOOL	1212786
For CF CRIMPHANDY 1,0	CF CRIMPHANDY 1,0/SERVICE-TOOL	1212759
For CF CRIMPHANDY 1,5	CF CRIMPHANDY 1,5/SERVICE-TOOL	1212708
Replacement waste receptacle , for CF CRIMPHANDY...	CF CRIMPHANDY/COVER	1212709

Description	Designation	Item No.
Replacement waste guide plate GP1 , for CF CRIMPHANDY... (see page 28)	CF CRIMPHANDY/GP1	1212514
Replacement waste guide plate GP2 (see page 28)		
For CF CRIMPHANDY 0,5	CF CRIMPHANDY 0,5/GP2	1212515
For CF CRIMPHANDY 0,75	CF CRIMPHANDY 0,75/GP2	1212516
For CF CRIMPHANDY 1,0	CF CRIMPHANDY 1,0/GP2	1212517
For CF CRIMPHANDY 1,5	CF CRIMPHANDY 1,5/GP2	1212844

Ferrule tape

	Color code in accordance with DIN 46228-4/UL 486F	Color code in accordance with NF C 63-023	Special color
Ferrule tape , 8 mm, with plastic sleeve, dimensions in accordance with DIN 46228-4/UL 486F, 20 strips, 50 pieces per strip			
0.5 mm ² , for CF CRIMPHANDY 0,5	AI 0,5-8 WH-S, 1212521; color: white	AI 0,5-8 WH-S, 1212521; color: white	AI 0,5-8 OG-S, 1212784; color: orange
0.75 mm ² , for CF CRIMPHANDY 0,75	AI 0,75-8 GY-S, 1212522; color: gray	AI 0,75-8 BU-S, 1212785; color: blue	AI 0,75-8 WH-S, 1212783; color: white
1.0 mm ² , for CF CRIMPHANDY 1,0	AI 1,0-8 RD-S, 1212523; color: red	AI 1,0-8 RD-S, 1212523; color: red	AI 1,0-8 YE-S, 1212782; color: yellow
1.5 mm ² , for CF CRIMPHANDY 1,5	AI 1,5-8 BK-S, 1212524; color: black	AI 1,5-8 BK-S, 1212524; color: black	AI 1,5-8 RD-S, 1212781; color: red

A 3 EU declaration of conformity

EU declaration of conformity

No. 000777344_02

Manufacturers	Phoenix Contact GmbH & Co.KG
Address	Flachsmarktstraße 8, 32825 Blomberg, Germany
Product designation	CF CRIMPHANDY 0,5
Item No.	1212463

This declaration of conformity is issued under the sole responsibility of the manufacturer. The products specified in this declaration are in conformity with the following relevant harmonization legislation:

2006/42/EC (OJ No. L157, 9 June 2006)	Machinery Directive (MD)
2011/65/EU (OJ No. L174, 1 July 2011)	Restriction on the use of certain hazardous substances (RoHS)
2014/30/EU (OJ No. L96, 29 March 2014)	EMC Directive (electromagnetic compatibility)

The following pertinent standards have been applied for the assessment of conformity:

EN 60335-1:2012+ AC:2014+ A11:2014+ A13:2017+ A1:2019+ A2:2019 + A14:2019+ A15:2021	EN IEC 55014-1:2021
EN IEC 55014-2:2021	EN IEC 61000-6-2:2019
EN IEC 62061:2021	EN IEC 63000:2018
EN ISO 12100:2010	EN ISO 13854:2019
EN ISO 13857:2019	

The products listed below are also part of this EU declaration of conformity:

Item No.	Product designation
1212464	CF CRIMPHANDY 0,75
1212465	CF CRIMPHANDY 1,0
1212466	CF CRIMPHANDY 1,5

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