

GEDORE

KLANN EXPERIENCE

Operating instructions

EN

KL-0080-1.. /-2..

Wiring Harness Repair Kit



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**ENGLISH****EN**

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1. READ AND UNDERSTAND FOR YOUR SAFETY



These operating instructions are intended to familiarise you with the operation of the wiring harness repair tool (wiring harness repair kit + supplements). Therefore read and understand these operating instructions **before using** the repair tool and observe all safety and warning instructions for safe use! Misuse can result in **DEATH** or **SEVERE INJURIES**! The operating instructions are part of the repair tool, so keep them in a safe place so that you can access them at any time and always pass them on to subsequent users of the repair tool! The repair tool complies with the recognised rules of technology as well as the relevant safety regulations!

1.1 Target group

These operating instructions are **exclusively** intended for skilled personnel in specialised motor vehicle workshops!

The repair tool **may only be** used by skilled personnel in specialised motor vehicle workshops who are familiar with the basic regulations on work safety and accident prevention!

✔ **Never** allow unauthorised, inexperienced persons, minors and children, or persons with limited physical, sensory, and mental abilities to use the repair tool!

1.2 Obligations of the owner

Pursuant to the German Ordinance on Industrial Safety and Health (*BetrSichV*), employers are obliged to provide their employees with safe work equipment in accordance with the recognised rules of technology and the relevant safety regulations!

✔ The owner of the repair tool **must** ensure that **only** trained personnel in specialised vehicle workshops use the repair tool!

✔ The owner of the repair tool **must** ensure that the instructions for use are available to the user and that the user has completely read and understood the instructions for use **before** using the repair tool!

✔ The owner of the repair tool **must** ensure that the user is familiar with the basic regulations on work safety and accident prevention, and that the personal protective equipment is available to him!

1.3 Intended use

The repair tool ...

✔ **may only** be used for unlocking, stripping and crimping of cable/plug connections on motor vehicles!

✔ **may only** be used on electrically de-energised cable/plug connections!

✔ **may only** be used with GEDORE Automotive genuine spare parts and accessories!

✔ **may only** be used in the way described in these operating instructions!

⚠ Any other use can result in **DEATH** or **SEVERE INJURIES**!

1.4 Reasonably foreseeable misuse

The repair tool ...

✔ **must never** be used for repairing other cable/plug connections or in another way than intended!

✔ **must never** be used on electrically live cable/plug connections!

✔ **must never** be modified, converted, or used for other purposes without authorisation!

⚠ Use the repair tool **always** as intended. Any other use can result in **DEATH** or in **SEVERE INJURIES**!

1.5 Work environment

Only use the repair tool in a safe working environment and **do not** expose it to extreme temperatures, direct sunlight or extreme humidity and moisture!

✔ The workplace **must** be clean and tidy.

✔ The workplace **must** be sufficiently large and illuminated.





✔ The workplace **must** be on a solid and non-skidding floor.

✔ The workplace **must** be safeguarded against access of unauthorised persons.

✔ The workplace **must** be at room temperature between -10°C and +40°C.

1.6 Labelling of the warnings

Warnings warn of potential **hazards**. **Always** observe these warnings to avoid **DEATH** or **INJURIES!**

For better differentiation, warnings in these operating instructions are classified as follows:	
Warning sign	Meaning
 WARNING	Indicates a hazardous situation, which, if not avoided, could cause DEATH or SERIOUS INJURIES .
 CAUTION	Indicates a hazardous situation which, if not avoided, could cause MODERATE or MINOR INJURIES .
 ATTENTION	Indicates a situation which, if not avoided, could cause damage to the tool or an object in its vicinity.
	Note on important information and useful tips.

1.7 Basic safety instructions and warnings

WARNING - Failure to observe this warning may result in an accident or death.

When using the repair tool, **always** observe the following safety and warning instructions as well as measures to avoid **DEATH** or **SERIOUS INJURY** as well as property damage due to hazards, misuse, abuse and unsafe handling!

- ✔ Read and understand these operating instructions **before using** the repair tool and observe all safety and warning instructions for **safe use!**
- ✔ **Always** work with the repair tool in accordance with the basic regulations on work safety, accident prevention and environmental protection!
- ✔ **Always** use the repair tool as intended. **GEDORE Automotive GmbH** accepts no liability or warranty or guarantee claims for injuries and damage resulting from improper use or failure to observe the safety regulations.
- ✔ **Always** observe the vehicle-specific manufacturer's specifications when working with the repair tool!
- ✔ **Never** use the wheel repair tool when you are tired or under the influence of alcohol, drugs, or medication!
- ✔ Interrupt your work **immediately** if you are unsure about using the repair tool and contact **GEDORE Automotive GmbH, if necessary!**

1.8 Care / storage

CAUTION

Improper care and storage can damage the repair tool.

- ✔ Therefore, **never** immerse the repair tool in water, solvents, or other cleaning liquids.
- ✔ After use, clean all parts with a dry and clean cleaning cloth.
- ✔ Store the repair tool and the operating instructions at a dry and clean place.

1.9 Repair

WARNING

Improper repair of the repair tool can result in **DEATH** or **SEVERE INJURIES**.

- ✔ If damage, loose parts or unauthorised modifications have been found on the repair tool, it must no longer be used for safety reasons!
 - ✔ Repair may only be carried out by specially trained personnel from **GEDORE Automotive GmbH!**
 - ✔ **Only** use original spare parts and accessories from **GEDORE Automotive GmbH** for the repair tool!
- If necessary, contact us, the **GEDORE Automotive GmbH** for a professional inspection and repair of the repair tool.

1.10 Environmentally friendly disposal

Dispose of the repair tool and the packaging material in an environmentally compatible way in accordance with the legal requirements. If necessary, ask your local authorities about environmentally friendly disposal options.

2. PRODUCT DESCRIPTION

2.1 Wiring harness repair kits + supplements

Universally suitable for standard wire/terminal connections with and without single conductor seal (ELA) on passenger cars, commercial vehicles, vans, buses, construction machinery, agricultural machinery, trailers, and semi-trailers.

Defective, oxidised, or provisionally repaired wire/terminal connections can lead to serious system failures on the vehicle.

Especially for this purpose, the **GEDORE** wiring harness repair kits for professionals offer a comprehensive and robust range for the quick and professional repair of almost all common cable/plug connections on the vehicle.

Due to the unique and compact basic tool/changeable insert system, these can be individually assembled and also expanded as desired in the future.

① ELA = single conductor seal

KL-0080-1 K - Wiring harness repair kit with contact assortment

Particularly suitable for wire/terminal connections, such as MCP-2.8, JPT, MQS, DTM/DT-twisted, SuperSeal-1.5, as well as for conventional crimp connections such as wire lugs, flat spade wire terminals, female flat spade wire terminals, butt connectors, etc.

UNLOCKING, STRIPPING, and CRIMPING, all stored within easy reach in a clear case system, designed for fast, organised, and efficient repairs in the daily workshop life. Includes an extensive assortment of the most common contacts and seals.

Scope of delivery: See Chapter 2.2 - Scope of delivery / overview of the single parts...

Specifications

Unlocking inserts:.....	7 pcs	MQS:.....	0.08 - 0.75mm ² diameter
Stripping inserts:	2 pairs	DTM/DT twisted:.....	0.5 - 2.1mm ² diameter
Crimping inserts:	11 pcs	SuperSeal-1.5:.....	0.35 - 2.5mm ² diameter
MCP-2.8:.....	0.2 - 1.0mm ² diameter	Pinch connections:.....	0.35 - 6mm ² diameter / AWG 10 - 22
JPT:.....	0.2 - 2.5mm ² diameter	Stripping:.....	0.03 to 16mm ² diameter

KL-0080-10 K - Wiring harness repair kit

Like **KL-0080-1 K** but without the contact assortment case - **KL-0080-104 K**.

Scope of delivery: See Chapter 2.2 - Scope of delivery / overview of the single parts...

KL-0080-2 K - Wiring harness repair kit with contact assortment

Like **KL-0080-1 K** but without the crimping attachments for conventional crimp connectors - **KL-0080-1012-10** + **KL-0080-1012-11**.

Scope of delivery: See Chapter 2.2 - Scope of delivery / overview of the single parts...

KL-0080-20 K - Wiring harness repair kit

Like **KL-0080-1 K** but without the crimping attachments for conventional crimp connectors - **KL-0080-1012-10** + **KL-0080-1012-11**.

Scope of delivery: See Chapter 2.2 - Scope of delivery / overview of the single parts...

KL-0080-104 K - Wiring harness repair kit

Extensive contact range with the most common contacts and seals, such as MCP-2.8, JPT, MQS, DTM/DT turned, SuperSeal-1.5.

Scope of delivery: See Chapter 2.2 - Scope of delivery / overview of the single parts...



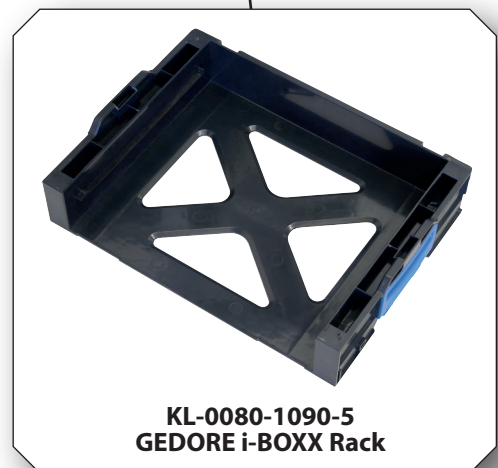
KL-0080-10 K
Wiring harness repair kit



KL-0080-1 K
Wiring harness repair kit
with contact assortment



KL-0080-104 K
Contact assortment case



KL-0080-1090-5
GEDORE i-BOXX Rack

KL-0080-12 Crimping tool kit (Micro 64)

For professional **UNLOCKING** and **CRIMPING** of **Micro 64** cable/plug connections, e.g. on StreetScooter delivery vehicles.

Everything ready to hand in a clearly laid out case, designed for fast, organised and efficient repair work in everyday workshop life, including **Micro 64** contact assortment.

Scope of delivery: See **Chapter 2.2** - Scope of delivery / overview of the single parts...

Recommended accessories

KL-0080-102 - Wire stripper



KL-0080-123 - Supplementary kit (Micro 64)

In combination with the wiring harness repair kit - **KL-0080-1 K / -10 K** for professional **UNLOCKING**, **STRIPPING** and **CRIMPING** of **Micro 64** cable/plug connections, e.g. on StreetScooter delivery vehicles. Including **Micro64** contact assortment.

Scope of delivery: See **Chapter 2.2** - Scope of delivery / overview of the single parts...

Necessary accessories

KL-0080-1011 - Handle crimping tool

KL-0080-1031 - Handle crimping tool

KL-0080-102 - Wire stripper



KL-0080-130 - Supplementary kit (Micro Timer II + III)

In combination with the wiring harness repair kit - **KL-0080-1 K / -10 K** for professional **UNLOCKING**, **STRIPPING** and **CRIMPING** of **Micro II + III** cable/plug connections, e.g. on control units and radio/navigation systems. Including **Micro Timer II + III** contact assortment and **ELA** seals.

Scope of delivery: See **Chapter 2.2** - Scope of delivery / overview of the single parts...

Necessary accessories

KL-0080-1011 - Handle crimping tool

KL-0080-1031 - Handle crimping tool

KL-0080-102 - Wire stripper



KL-0080-131 - Supplementary kit (MCP 1.5K)

In combination with the wiring harness repair kit - **KL-0080-1 K / -10 K** for professional **UNLOCKING**, **STRIPPING** and **CRIMPING** of **MCP 1.5K** cable/plug connections, e.g. on ignition coils, lighting equipment and wiper motors. Including **MCP 1.5K** contact assortment and **ELA** seals.

Scope of delivery: See **Chapter 2.2** - Scope of delivery / overview of the single parts...

Necessary accessories

KL-0080-1011 - Handle crimping tool

KL-0080-1031 - Handle crimping tool

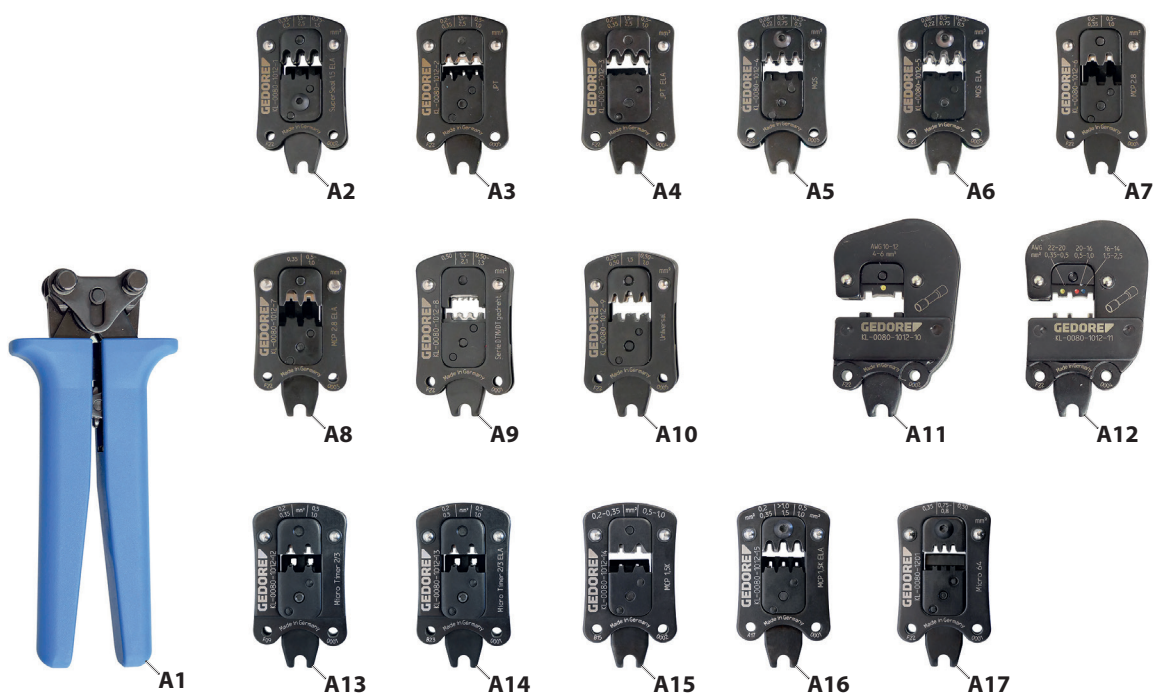
KL-0080-102 - Wire stripper



2.2 Scope of delivery / overview of the single parts

① This overview shows all individual parts for the modular system of the **wiring harness repair series**.
Before use, check that all parts included in the scope of delivery are present!

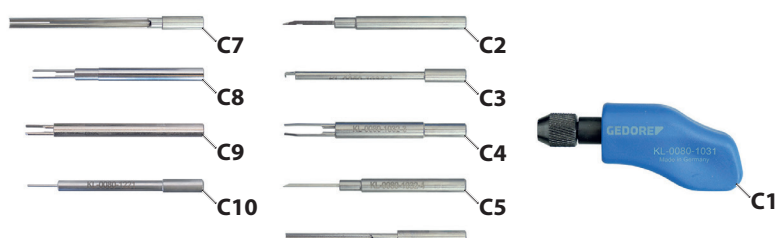
Crimping tool A		Wiring harness repair kits...						Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
Individual parts...	Item	Scope of delivery...								
KL-0080-1011 - Handle	A1	●	●	●	●	●	●			
KL-0080-1012-1 - Crimping attachment SuperSeal 1.5 ELA	A2	●	●	●	●					
KL-0080-1012-2 - Crimping attachment JPT	A3	●	●	●	●					
KL-0080-1012-3 - Crimping attachment JPT ELA	A4	●	●	●	●					
KL-0080-1012-4 - Crimping attachment MQS	A5	●	●	●	●					
KL-0080-1012-5 - Crimping attachment MQS ELA	A6	●	●	●	●					
KL-0080-1012-6 - Crimping attachment MCP 2.8	A7	●	●	●	●					
KL-0080-1012-7 - Crimping attachment MCP 2.8 ELA	A8	●	●	●	●					
KL-0080-1012-8 - Crimping attachment DTM/DT, twisted	A9	●	●	●	●					
KL-0080-1012-9 - Crimping attachment, universal	A10	●	●	●	●					
KL-0080-1012-10 - Crimping attachment 4 - 6mm ²	A11	●		●						
KL-0080-1012-11 - Crimping attachment 0.35 - 2.5mm ²	A12	●		●						
KL-0080-1012-12 - Crimping attachment Micro Timer II + III	A13							●		
KL-0080-1012-13 - Crimping attachment Micro Timer II + III ELA	A14							●		
KL-0080-1012-14 - Crimping pliers attachment MCP 1.5K	A15									●
KL-0080-1012-15 - Crimping pliers attachment MCP 1.5K ELA	A16									●
KL-0080-1201 - Crimping attachment Micro 64	A17						●	●		



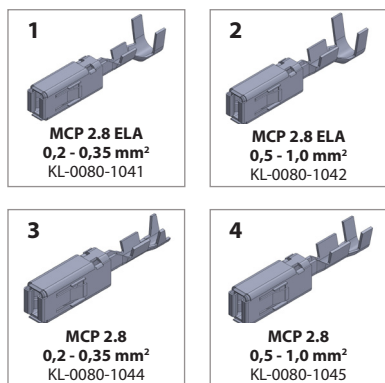
Wire stripper B		Wiring harness repair kits...						Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
Individual parts...	Item	Scope of delivery...								
KL-0080-1021 - Wire stripper, self-adjusting	B1	●	●	●	●					
KL-0080-1022 - Supplementary blade set, V-shaped	B2	●	●	●	●					



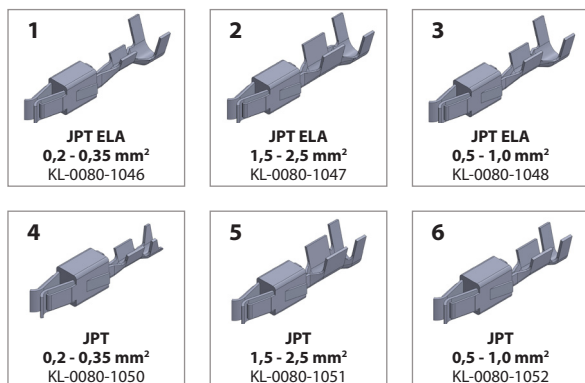
Ejection tool C		Wiring harness repair kits...						Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
Individual parts...	Item	Scope of delivery...								
KL-0080-1031 - Handle	C1	●	●	●	●		●			
KL-0080-1032-1 - Superseal ejector blade + female flat spade wire terminals, etc.	C2	●	●	●	●					
KL-0080-1032-2 - Superseal ejector blade + Deutsch DTM/DT (secondary lock)	C3	●	●	●	●					
KL-0080-1032-3 - Ejector blade MCP 2.8 + JPT + SPT + female flat spade wire terminals 2.8	C4	●	●	●	●					
KL-0080-1032-4 - Ejector blade MQS / FC1+3 / CPC	C5	●	●	●	●					
KL-0080-1032-5 - Ejector blade, half-round Deutsch DTM series (Size 20)	C6	●	●	●	●					
KL-0080-1032-6 - Ejector blade 4mm diameter, Deutsch DT series	C7	●	●	●	●					
KL-0080-1032-8 - Ejector blade Micro Timer II + III	C8							●		
KL-0080-1032-9 - Ejector blade MCP 1.5K	C9									●
KL-0080-1221 - Ejector blade Micro 64	C10						●	●		



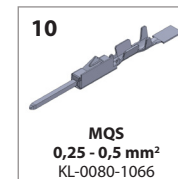
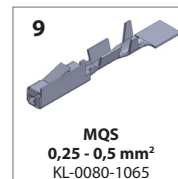
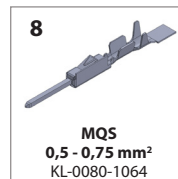
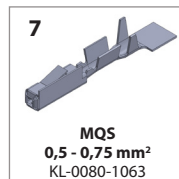
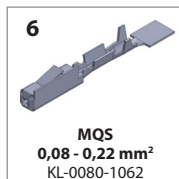
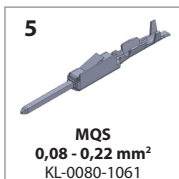
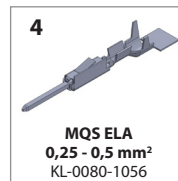
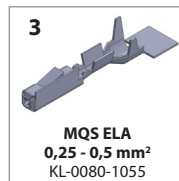
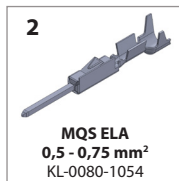
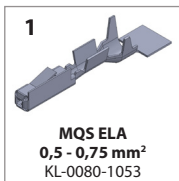
Crimping contacts: MCP 2.8		Wiring harness repair kits...					Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)							
KL-0080-1041 VE - Socket contact MCP 2.8 ELA	1	●	●			●			
KL-0080-1042 VE - Socket contact MCP 2.8 ELA	2	●	●			●			
KL-0080-1044 VE- Socket contact MCP 2.8	3	●	●			●			
KL-0080-1045 VE- Socket contact MCP 2.8	4	●	●			●			



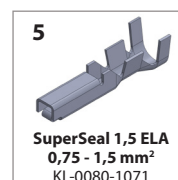
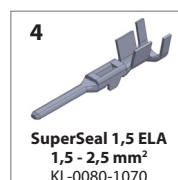
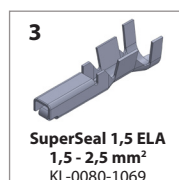
Crimping contacts: JPT		Wiring harness repair kits...					Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)							
KL-0080-1046 VE - Socket contact JPT ELA	1	●	●			●			
KL-0080-1047 VE - Socket contact JPT ELA	2	●	●			●			
KL-0080-1048 VE - Socket contact JPT ELA	3	●	●			●			
KL-0080-1050 VE- Socket contact JPT	4	●	●			●			
KL-0080-1051 VE- Socket contact JPT	5	●	●			●			
KL-0080-1052 VE- Socket contact JPT	6	●	●			●			



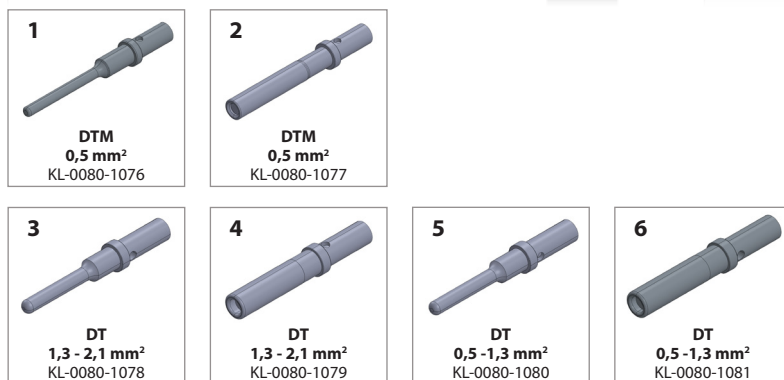
Crimping contacts: MQS		Wiring harness repair kits...						Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)								
KL-0080-1053 VE - Socket contact MQS ELA	1	●	●			●				
KL-0080-1054 VE - Pin contact MQS ELA	2	●	●			●				
KL-0080-1055 VE - Socket contact MQS ELA	3	●	●			●				
KL-0080-1056 VE - Pin contact MQS ELA	4	●	●			●				
KL-0080-1061 VE - Pin contact MQS	5	●	●			●				
KL-0080-1062 VE - Socket contact MQS	6	●	●			●				
KL-0080-1063 VE - Socket contact MQS	7	●	●			●				
KL-0080-1064 VE - Pin contact MQS	8	●	●			●				
KL-0080-1065 VE - Socket contact MQS	9	●	●			●				
KL-0080-1066 VE - Pin contact MQS	10	●	●			●				



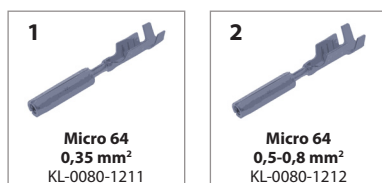
Crimping contacts: SuperSeal 1.5		Wiring harness repair kits...						Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)								
KL-0080-1067 VE - Socket contact SuperSeal 1.5 ELA	1	●	●			●				
KL-0080-1068 VE - Pin contact SuperSeal 1.5 ELA	2	●	●			●				
KL-0080-1069 VE - Socket contact SuperSeal 1.5 ELA	3	●	●			●				
KL-0080-1070 VE - Pin contact SuperSeal 1.5 ELA	4	●	●			●				
KL-0080-1071 VE - Socket contact SuperSeal 1.5 ELA	5	●	●			●				
KL-0080-1072 VE - Pin contact SuperSeal 1.5 ELA	6	●	●			●				



Crimping contacts: DTM + DT		Wiring harness repair kits...					Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)							
KL-0080-1076 VE - Pin contact DTM	1	●	●			●			
KL-0080-1077 VE- Socket contact DTM	2	●	●			●			
KL-0080-1078 VE - Pin contact DT	3	●	●			●			
KL-0080-1079 VE- Socket contact DT	4	●	●			●			
KL-0080-1080 VE - Pin contact DT	5	●	●			●			
KL-0080-1081 VE- Socket contact DT	6	●	●			●			



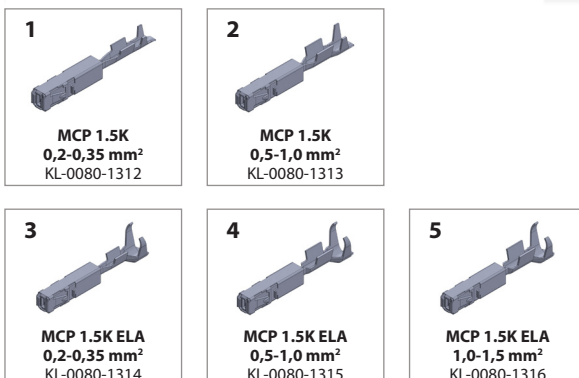
Crimping contacts: Micro 64		Wiring harness repair kits...					Supplements...		
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)							
KL-0080-1211 VE- Socket contact Micro 64	1						●	●	
KL-0080-1212 VE- Socket contact Micro 64	2						●	●	



Crimping contacts: Micro Timer II+III		Wiring harness repair kits...					Supplements...			
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)								
KL-0080-1301 VE- Socket contact Micro Timer II + III	1								•	
KL-0080-1302 VE- Pin contact Micro Timer II + III	2								•	
KL-0080-1303 VE- Socket contact Micro Timer II + III	3								•	
KL-0080-1304 VE- Pin contact Micro Timer II + III	4								•	
KL-0080-1305 VE- Socket contact Micro Timer II + III ELA	5								•	
KL-0080-1306 VE - Pin contact Micro Timer II + III ELA	6								•	
KL-0080-1307 VE- Socket contact Micro Timer II + III ELA	7								•	
KL-0080-1308 VE - Pin contact Micro Timer II + III ELA	8								•	



Crimping contacts: MCP 1.5K		Wiring harness repair kits...					Supplements...			
		KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)								
KL-0080-1312 VE- Socket contact MCP 1.5K	1									•
KL-0080-1313 VE- Socket contact MCP 1.5K	2									•
KL-0080-1314 VE - Socket contact MCP 1.5K ELA	3									•
KL-0080-1315 VE - Socket contact MCP 1.5K ELA	4									•
KL-0080-1316 VE - Socket contact MCP 1.5K ELA	5									•



Seals (ELA) and accessories	Wiring harness repair kits...						Supplements...		
	KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
① ELA = Einzel (single)-Leiter (conductor)-Abdichtung (seal)									
Individual parts...	Item	Scope of delivery... (per packaging unit VE = 25 pcs)							
KL-0080-1043 VE - Sealing for MCP 2.8 ELA	1	•	•			•			
KL-0080-1049 VE - Sealing for JPT ELA	2	•	•			•			
KL-0080-1057 VE - Sealing for MQSELA	3	•	•			•			
KL-0080-1058 VE - Sealing for MQS ELA	4	•	•			•			
KL-0080-1059 VE - Sealing for MQS ELA	5	•	•			•			
KL-0080-1060 VE - Sealing for MQS ELA	6	•	•			•			
KL-0080-1073 VE - Sealing for SuperSeal 1.5 ELA	7	•	•			•			
KL-0080-1074 VE - Sealing for SuperSeal 1.5 ELA	8	•	•			•			
KL-0080-1075 VE - Sealing for SuperSeal 1.5 ELA	9	•	•			•			
KL-0080-1309 VE - Sealing for Micro Timer II+III ELA and MCP 1.5K ELA	10							•	•
KL-0080-1310 VE - Sealing for Micro Timer II+III ELA and MCP 1.5K ELA	11							•	•
KL-0080-1311 VE - Sealing for Micro Timer II+III ELA and MCP 1.5K ELA	12							•	•
KL-0080-1082 - Plastic tweezers	D	•	•			•			

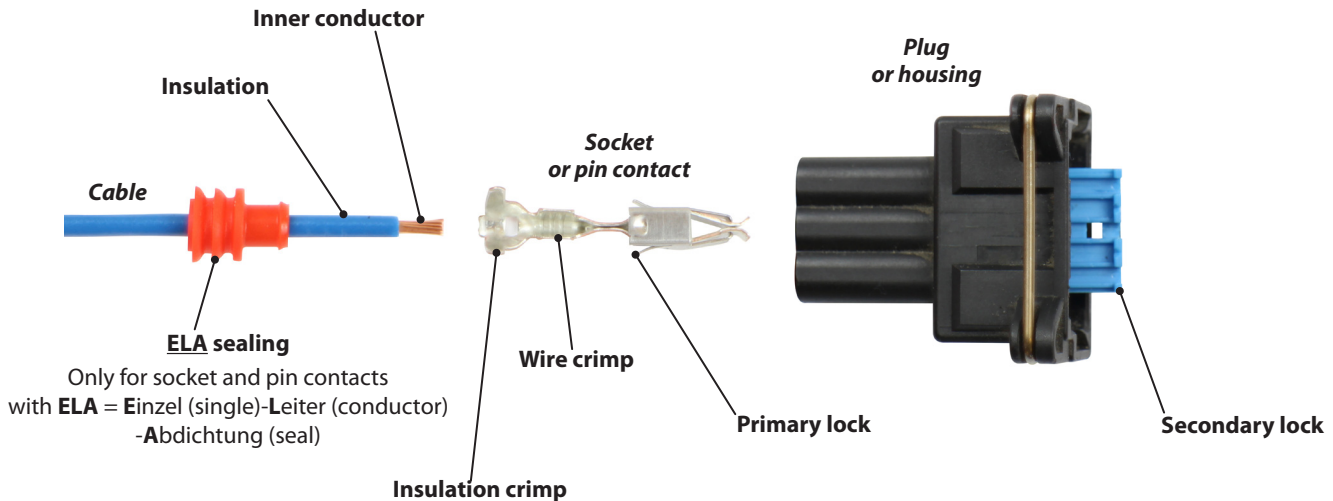


Storage system	Kabelbaum-Reparatursätze...						Ergänzungen..		
	KL-0080-1 K	KL-0080-2 K	KL-0080-10 K	KL-0080-20 K	KL-0080-104 K	KL-0080-12 K	KL-0080-123	KL-0080-130	KL-0080-131
Individual parts...	Scope of delivery...								
KL-0080-1090-1 - Foam insert	•	•	•	•					
KL-0080-1090-2 - Foam insert	•	•	•	•					
KL-0080-1090-3 - Foam insert	•	•			•				
KL-0080-1090-4 - Foam insert	•	•	•	•					
KL-0080-1290-1 - Foam insert						•			
KL-0080-1290-2 - Plastic box 47x40mm						•2x	•2x		
KL-4990-9274 - Plastic case						•			
KL-0080-1090-5 - GEDORE i-BOXX Rack	•	•			•				
1100 L - GEDORE L-BOXX 136	•	•	•	•					
1101 L - GEDORE i-BOXX 72 Small parts case	•	•			•				

2.3 Component overview

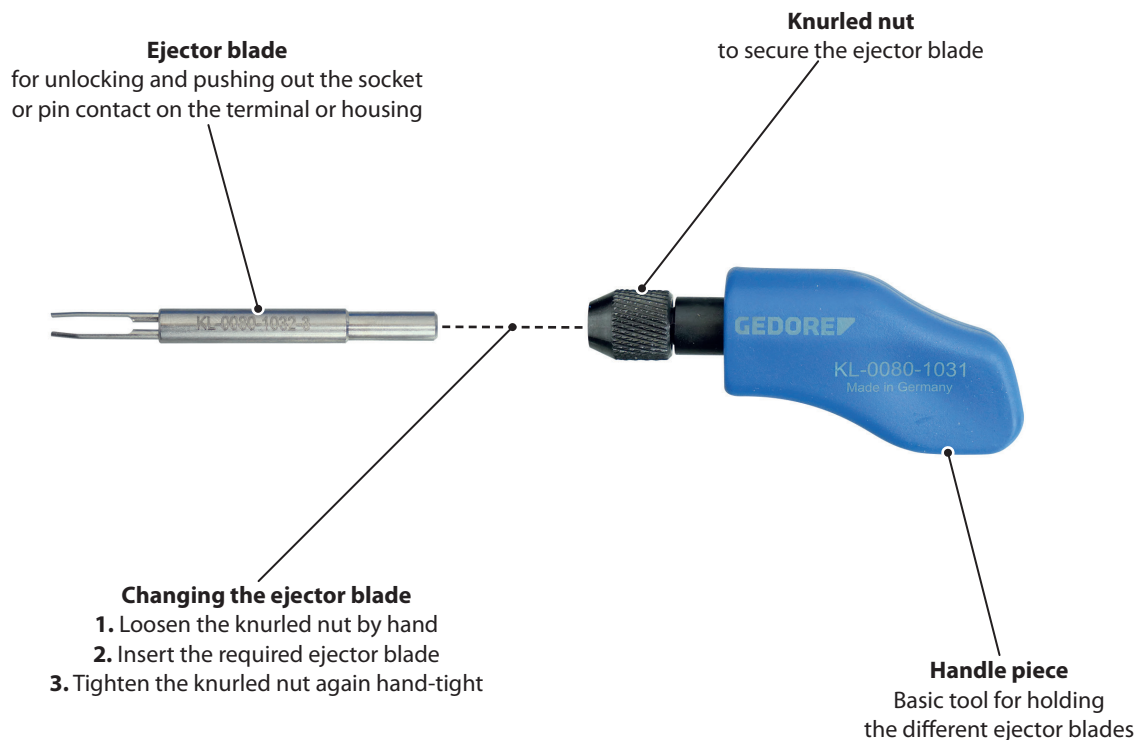
① This overview shows basic components, designations, and information on the tool.

Plug connection

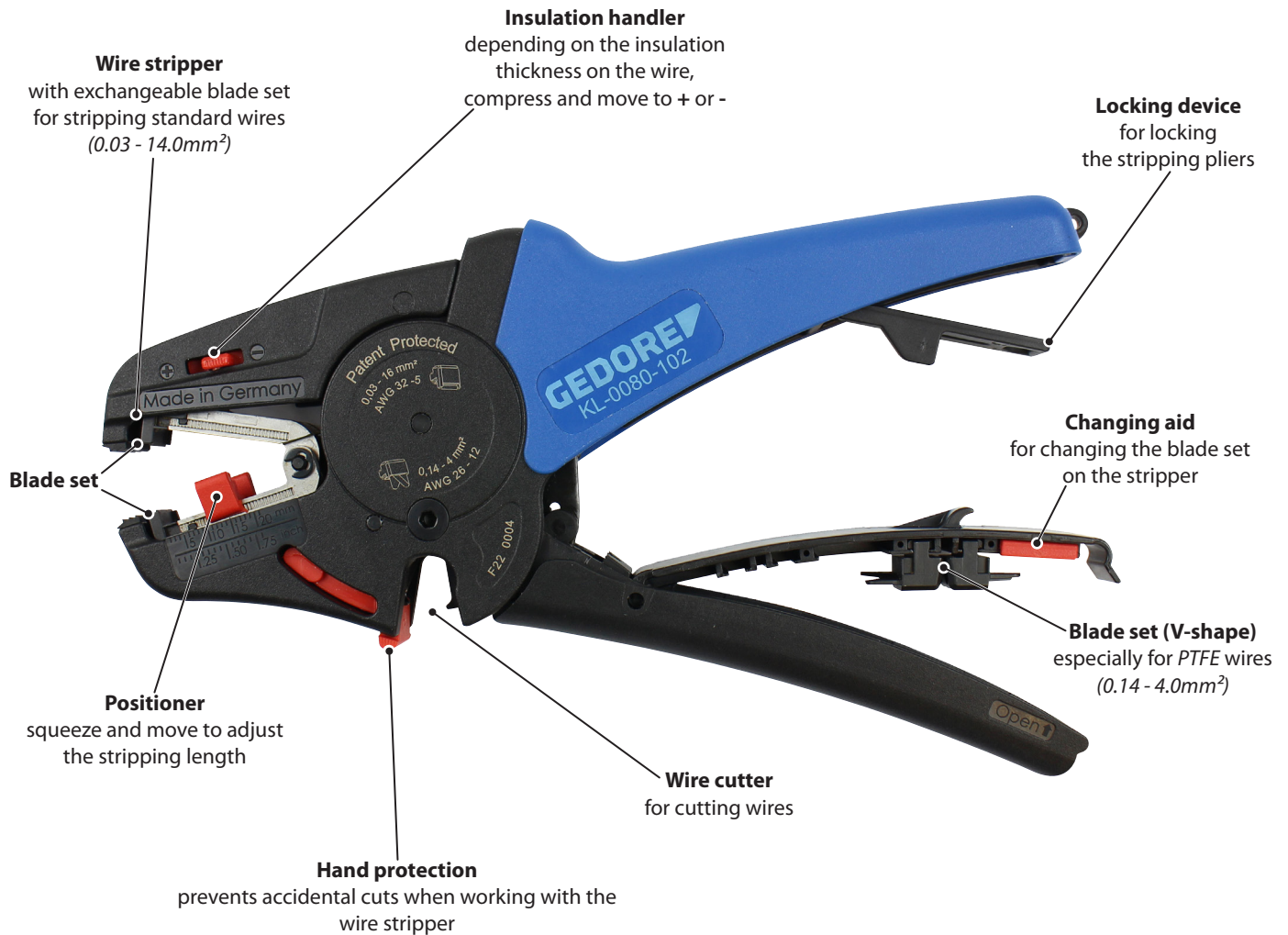


① Sealed plug connections are additionally provided with a so-called **ELA = Einzel (single)-Leiter (conductor)-Abdichtung (seal)**. The corresponding **ELA** socket or pin contacts have a significantly larger insulation crimp in order to safely enclose the ELA during crimping. The matching crimping attachments are marked with **ELA**.

Ejection tool

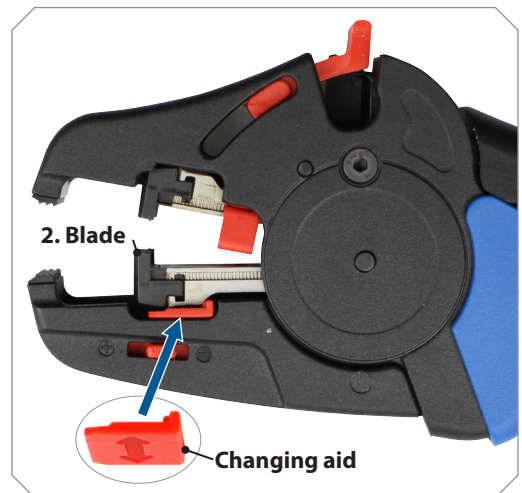
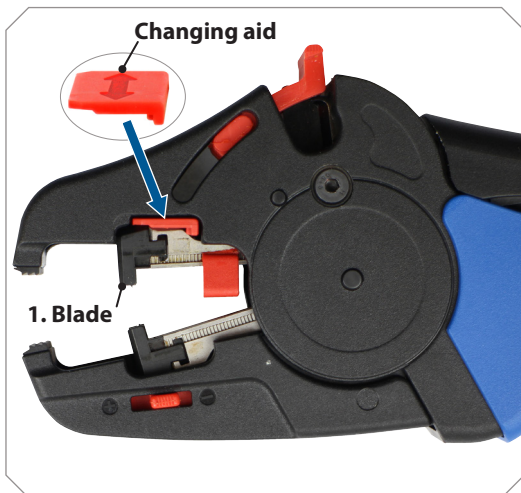


Wire stripper B



Changing the blade set

1. Insert the **changing aid** in the correct position on the **stripper**
2. Firmly squeeze the stripping pliers at the **handle piece**
3. Now take the **1st blade** out laterally and replace it
4. Relieve the stripper, remove changing aid
5. Repeat this process for the **2nd blade**



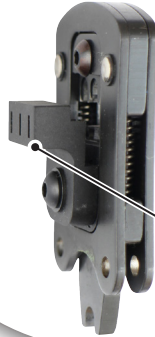
Crimping tool A

Crimping attachment (without positioner)

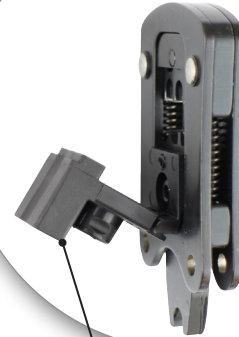


Crimping attachment (without positioner)
 universally suitable for various other female or male contacts

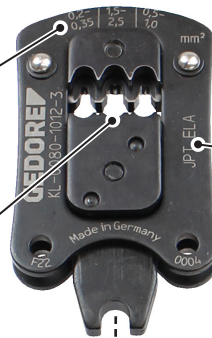
Crimping attachment, (fixed positioner)



Crimping attachment, (foldable positioner)



Positioner
 for holding the female or male contacts in the correct position during crimping



Wire cross-section
 for easy differentiation of the appropriate crimp profile depending on the wire cross-section

Contact type (JPT, MQS, MCP, etc.)
 for easy differentiation of the appropriate crimping attachments depending on the type of terminal

Crimping profile
 depending on the wire cross-section, corresponding crimping profiles are available on the crimping attachment

Changing the crimping attachments

1. Fully open the **handle**.
2. Pull both **locking bolts** as far as they will go
3. Insert the required **crimping attachment**
4. Push both **locking bolts** back in as far as they will go

Locking bolts
 to secure the crimping attachments

Operate the **emergency release** for emergency opening of the lock

Handle piece
 Basic tool for holding the different crimping attachments

Interlock
 guarantees complete crimping and the crimper can only be opened again after it had been fully compressed once

3. USE - QUICK REFERENCE

ⓘ This overview roughly shows the individual work steps; the comprehensive application example can be found in **chapter 4**.

Work step		Result on the wire
Unlock the female or male contact with the ejection tool and remove it from the terminal or housing.		
Cut the wire properly and straight with the wire stripper .		
For <u>sealed</u> connections, first fit a suitable seal (ELA) to the wire.		
Strip the wire with the stripping pliers to match the female or male contact.		
Insert the female or male contact on the crimping attachment in the correct position. Align the seal (ELA) accordingly to the wire.		
Properly insert the wire at the female or male contact and crimp with the crimping tool .		
Re-insert and lock the female or male contact on the wire terminal or housing.		

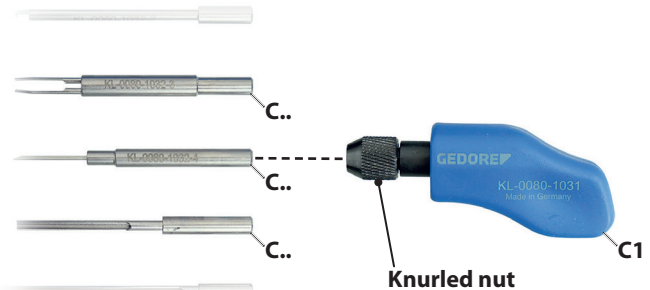
4. TYPICAL APPLICATION

① This typical application describes the repair of a **JPT ELA** female or male contact on a **low-voltage** wire-terminal connection, for example, on cars, commercial vehicles, vans, buses, construction machinery, agricultural machinery, trailers, and semi-trailers.

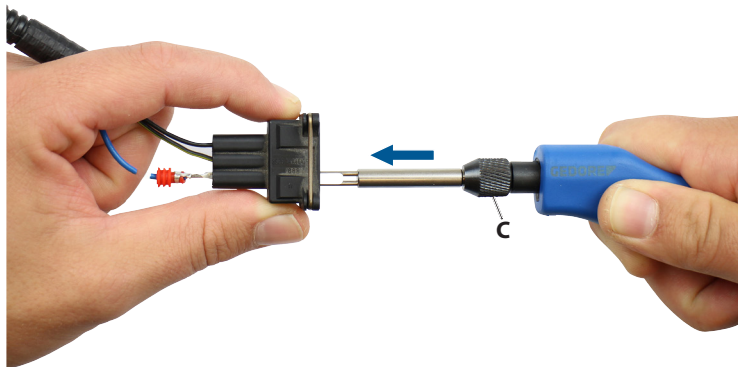
📷 **1:** Assemble the ejection tool [C] accordingly according to the terminal.

1. Depending on the contact type of the plug connection (**MCP**, **JPT**, etc.), select a suitable ejector blade [C..] under **chapter 2.2**.

Insert the appropriate ejector blade [C..] into the handle [C1] and secure it hand-tight with the **knurled nut**.



📷 **2:** Unlock the female or male contact with the push-out tool [C] and remove it.



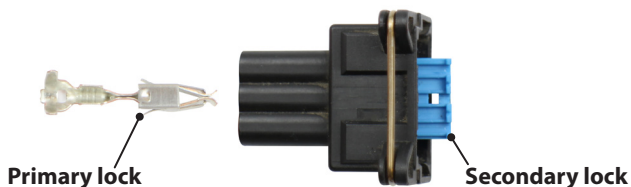
⚠️ WARNING

Electric shocks can cause **DEATH** or **SEVERE INJURIES**.

► **Never** work on electrically live cable/plug connections!

2. First unlock any **secondary locks** on the wire terminal or housing, for example, by using the ejection tool [C].

Unlock the **primary locks** as follows on the female or male contact, and remove it.



Result on the wire



📷 **3:** Use the wire stripper [B] and cut the wire properly and straightly.

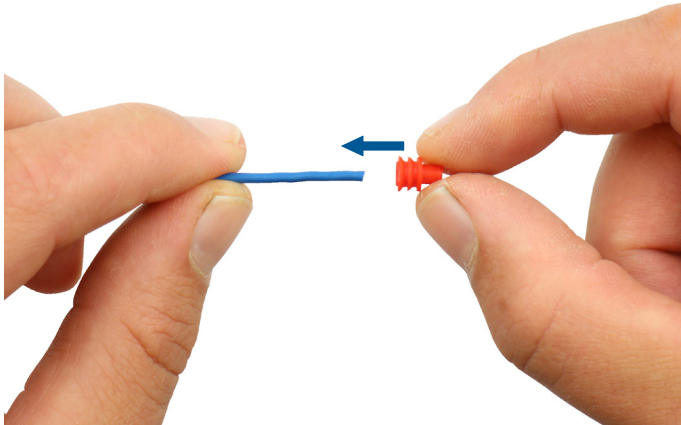


3. Use the **cutter** and cut the wire at the wire stripper [B] properly and straightly.

Result on the wire



4: For sealed terminals, fit an additional suitable **connector seal (ELA)** to the wire.



4. For sealed plug connections, fit a suitable **connector seal (ELA)** in the correct position on the wire.

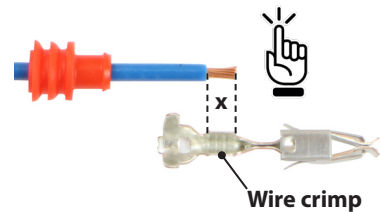
ⓘ ELA = single conductor seal



5: Adjust the stripping length (x mm) on the **positioner** of the stripping pliers [B].

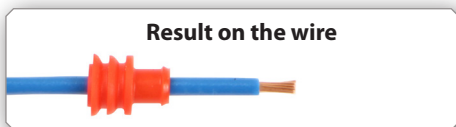


5. Press the **positioner** on the wire stripper [B] and adjust it by moving it so that the required stripping length (x mm) on the cable matches the wire crimp on the female or male contact.

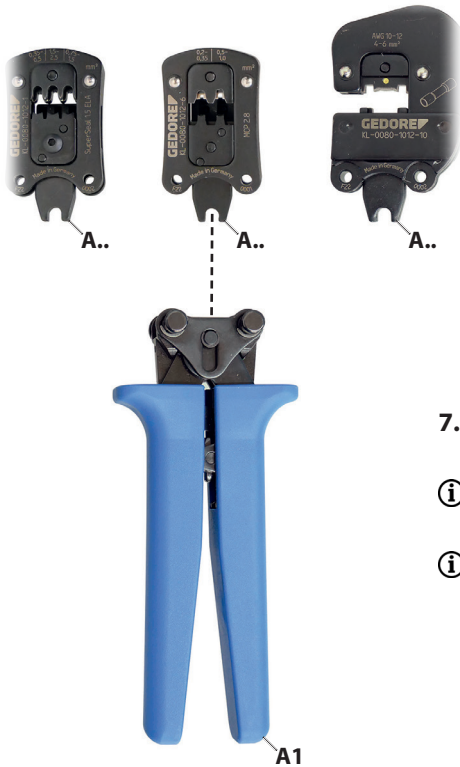


6: Remove the wire insulation with the wire stripper [B].

6. Strip the insulation from the wire using the wire stripper [B]. Insert the wire on the **stripper** until it is in contact with the **positioner**.



7: Select the appropriate crimping attachment [A] according to the terminal.

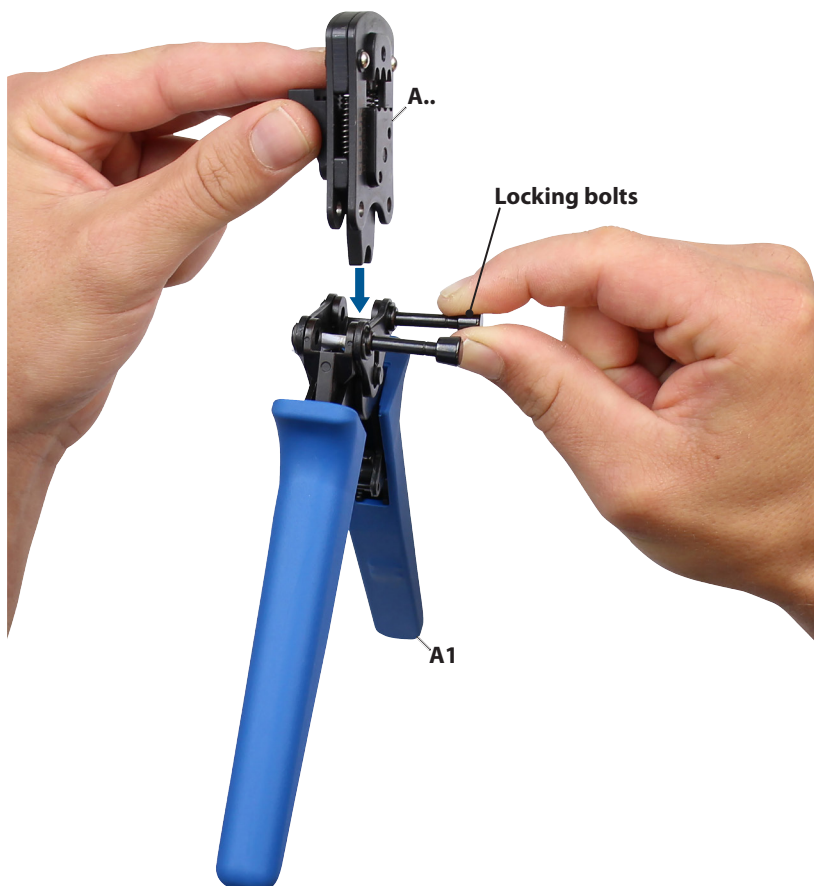


7. Depending on the contact type of the plug connection (**MCP**, **JPT**, etc.), select a suitable crimping attachment [A..] under **chapter 2.2**.

ⓘ For sealed terminals, always use a suitably marked **ELA** crimping attachment.

ⓘ ELA = single conductor seal

8: Insert the selected crimping attachment [A] onto handle [A1] and fix it.



8. Insert the selected crimping attachment [A] in the correct position on the handle [A1].

Close the handle [A1] once completely and open it as far as it will go.

Then pull out both **locking bolts**, insert the matching crimping attachment [A] and secure it with the two **locking bolts**.

ⓘ If necessary, the handle [A1] can also be opened via the **emergency release**, as described in **chapter 2.3**.

9: Insert the female or male contact in the correct position on the **positioner** or crimping attachment [**A2 - A12**].



Typical application: Deutsch DTM/DT twisted + Universal, ...



9. Insert the female or male contact in the correct position on the **positioner** or crimping attachment [**A..**].

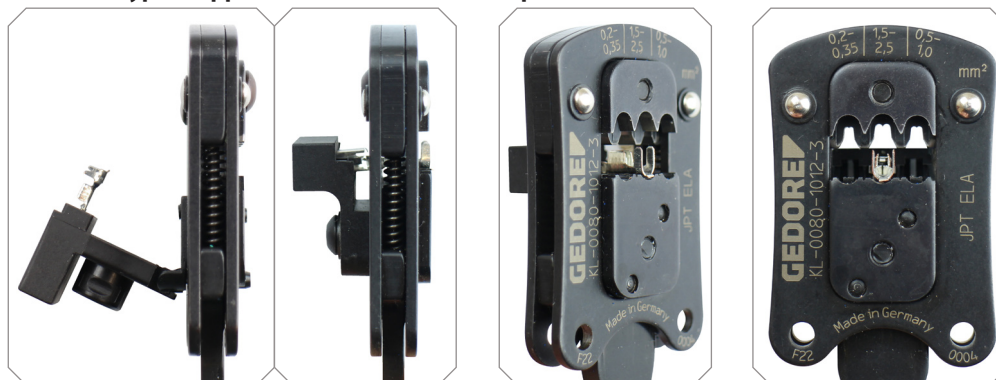
① Use the correct **crimping profile** on the crimping attachment [**A..**], depending on the wire cross-section (**mm²**).

① Folding **positioners** facilitate the insertion of particularly small female or male contacts.

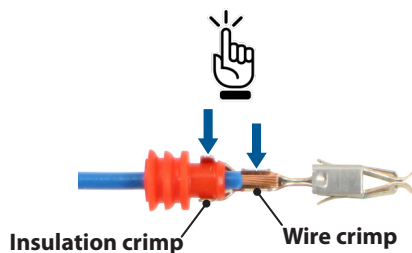
Typical application: AWG 10-12 + AWG 14-22, ...



Typical application: MQS, MCP, JPT, Superseal, ... (with and without ELA)



10: Properly insert the wire at the female or male contact and fully crimp it.



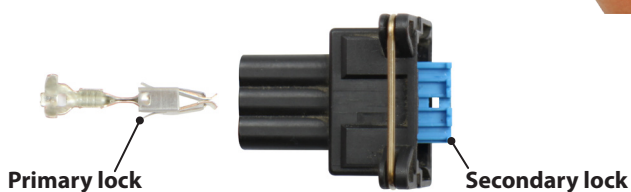
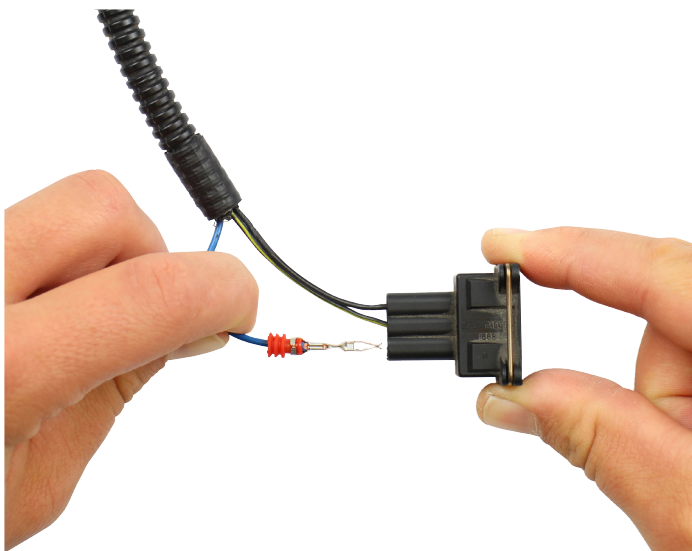
10. Insert the wire in the correct position at the **wire crimp** of the female or male contact.

① For sealed terminals, ensure that the **seal (ELA)** is correctly positioned towards the **insulation crimp**.

Result on the wire



11: Re-insert and lock the female or male contact on the wire terminal or housing.



11. Insert the female or male contact in the correct position on the terminal or housing until the **primary lock** engages.

Lock any possible **secondary locks** on the terminal or housing.

Result on the wire

