

CABLE LUG PRIME (Z506X)

CABLE LUG FOR PLUGGING ONTO TEST PROBES

1 SAFETY INSTRUCTIONS

	Read and follow these instructions carefully and completely in order to ensure safe and proper use. The instructions must be made available to all persons who use the product. Keep for future reference.
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Handling

- Carefully and completely read and adhere to the product documentation for the associated test/measuring instrument.
- Use the product only for its intended purpose in accordance with this documentation and the documentation for the associated test/measuring instrument.
- The product may only be used by qualified electricians in commercial settings.
- Use the product in undamaged condition only. Inspect the product before use. Pay particular attention to damage or interrupted insulation.
- If the product doesn't function correctly, discontinue use of the product and dispose of it properly.
- If the product is damaged during use, for example if it's dropped, discontinue use of the product and dispose of it properly.
- Products and accessories from Gossen Metrawatt GmbH are designed to function ideally with products from Gossen Metrawatt GmbH which are specifically intended for this purpose. Unless expressly confirmed otherwise in writing by Gossen Metrawatt GmbH, they are not intended or suitable for use with other products.

Operating Conditions

- Do not use the product after long periods of storage under unfavorable conditions (e.g. humidity, dust or extreme temperature).
- Do not use the product after extraordinary stressing due to transport.
- Do not expose the product to direct sunlight.
- Only use the product within the limits specified in the technical data and operating conditions (ambient conditions, IP protection code, measuring category etc.).
- Do not use the product in potentially explosive atmospheres. Danger of explosion!
- Do not use the product in atmospheres subject to fire hazard. Danger of fire!

Contact

- Plugging in must not necessitate any undue force.
- Never touch conductive ends.
- Ensure good contact.
- Do not move or remove the cable lug until testing/measurement has been completed. Unwanted sparking may otherwise occur due to test current.

2 APPLICATION

Please read this important information!

2.1 INTENDED USE / USE FOR INTENDED PURPOSE

The Cable Lug PRIME, hereinafter referred to as product, is a cable lug that can be plugged onto test probes in order to contact the measuring point by means of screw mounting (screw at terminal).

► Procedure:



DANGER

High-Voltage!

Life endangering due to electric arcs!

- Use the product in voltage-free CAT III environments only! (See EN 61010-031).
- Observe the five safety rules in accordance with DIN VDE 0105-100, Operation of electrical installations – Part 100: General requirements. (1. Shut down entirely. 2. Secure against restart. 3. Assure absence of voltage at all poles. 4. Ground and short circuit. 5. Cover neighboring live components, or make them inaccessible.)
- Always make sure that absence of voltage is tested in a standards-compliant manner by using suitable 2-pole voltage testers, for example.

- ✓ Measuring point and environment are voltage-free.
- 1. Plug the cable lug onto the test probe. (All test probes associated with the measuring/test instrument are compatible.)
- 2. Push the moving part down afterwards in order to lock.
- 3. Establish contact with the measuring point and screw the cable lug in place.
- 4. Perform the measurement/test afterwards as described in the product documentation of the associated measuring/test instrument.
- 5. Do not remove the cable lug until all work has been completed.
- 6. The equipment may not be switched back on before the product has been completely removed from the scope of the equipment by observing all other necessary safety regulations.

Safety of the user, as well as that of the product, is only assured when it's used for its intended purpose.

2.2 USE FOR OTHER THAN INTENDED PURPOSE

Use of the product for any purposes other than those described in this supplement, or in the product documentation for the associated test/measuring instrument, is contrary to use for intended purpose. Use for other than intended purpose may lead to unpredictable damage!

2.3 REPAIRS AND MODIFICATIONS

Unauthorized modification of the product is prohibited.

2.4 LIABILITY AND GUARANTEE

Liability and guarantee granted by Gossen Metrawatt GmbH comply with the applicable contractual and mandatory legal regulations.

3 PRODUCT

3.1 SCOPE OF DELIVERY

- 1 Cable Lug PRIME
- 1 Supplement (this document)

3.2 SYMBOLS ON THE PRODUCT

Symbol	Meaning
	Warning concerning a point of danger (attention, observe documentation!)
	European conformity marking
	Measuring category
	The product may not be disposed of with household trash. You are required to comply with all applicable local regulations. Further information regarding disposal can be found on our website.

3.3 TECHNICAL DATA

Measuring category	CAT III 600 V, 16 A
Short-circuit operation	25 A, on-time" 10 s, „off-time" 30 s
Ambient Conditions	Operating temperatures: same as measuring/test instrument
	Storage temperatures: same as measuring/test instrument
	Relative humidity: same as measuring/test instrument
	Elevation: max. 2000 m
Mechanical Design	Length: approx. 72 mm / dia.: approx. 18.5 mm
	Weight: approx. 15 g

4 STORAGE AND TRANSPORT

ATTENTION

Improper Storage

Damage to the product.

- Store the product in a protected location and only within the limits of the permissible ambient conditions (⇒ "Technical Data" 2).

ATTENTION

Improper Transport

Damage to the product.

- Transport the product only within the limits of the permissible ambient conditions (⇒ "Technical Data" 2).
- Ensure adequate protection when transporting the product.

5 MAINTENANCE



DANGER

Life endangering due to electric shock!

The product is an accessory for a measuring/test instrument which is operated with electric power. When connecting with the measuring/test instrument, there is a general risk of electric shock! This can be fatal or cause serious injuries.

- The product must be disconnected from the test/measuring instrument before and during cleaning.
- Never immerse the product in water or other liquids.
- Never touch the product with wet hands.

ATTENTION

Unsuitable Cleaning Agents

Unsuitable cleaning agents such as aggressive or abrasive cleansers result in damage to the product.

- Use a dry cloth for cleaning.
- Avoid the use of cleansers, abrasives or solvents.

Keep the outside surfaces of the product and any accessories clean and dry.

6 CONTACT, SUPPORT AND SERVICE

Gossen Metrawatt GmbH can be reached directly and conveniently – we have a single number for everything! Whether you require support or training, or have an individual inquiry, we can answer all of your questions here:

+49 911 8602-0

Monday to Thursday: 08:00 am - 4:00 pm
Friday: 08:00 am - 2:00 PM

Or contact us by e-mail at:
info@gossenmetrawatt.com

Do you prefer support by e-mail?
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