



RING CONNECTOR WITH SHEAR HEAD BOLTS FOR 4-CORE CABLE TO TGL STANDARD 200-1750/05 AND DIN/VDE

Read this instruction for use before installation !

- Usage**

Suitable for plastic insulated cable NYY, NAYY, NA2X2Y, NAYCWY and similar.
- Cross sections**

Mains cable: 150 to 240 sector solid / 120 to 240 sector stranded
 Branch cable: 6 to 70 sector stranded / 95 sector solid
 Cross sections are related to dimensions and tolerances to TGL Standard 200-1750/05 and VDE 0295*. There is a multitude of cables in the network with very different construction and not in conformance with above standards. For these cables the cross sectional range will just be an indication.
- Unpack and examine**

Ring connectors are supplied with open snap-lock. This snap-lock is to be snapped only after the ring connector is positioned correctly over the mains cable. Re-opening the snap-lock without damage of the ring connector body usually is impossible !
 Avoid soiling or damage on ring connectors before installation. In case of faults please contact ARCUS SCHIFFMANN (A/S).
- Installation**

See installation instruction on the back !
- De-installation**

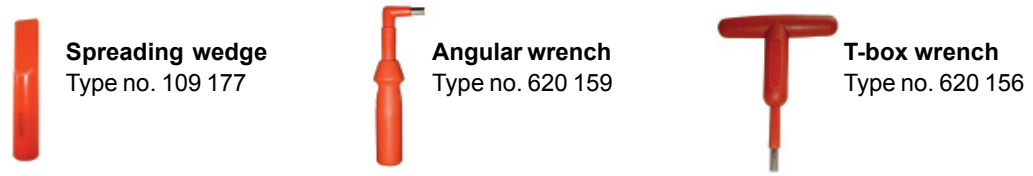
A de-installation is possible only before the cast resin joint is mounted and compound-filled. As soon as contact with insulation piercing screws is tried or actually made, a repeated installation is to be excluded !
- Disposal**

Dispose of ring connector and packing following the local regulations. If uncertain about the materials that have been used, A/S will be pleased to provide information.
- Guarantee**

Precondition for guarantee is the proven observation of the instruction for use. Valid are the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industries.
- Installation tools**

For faultless installation we recommend use of our T-box wrench or angular wrench, further our spreading wedge. For live installation fully insulated installation tools are to be used, tools in conformance with EN 60900 (Handheld Tools for Work on Live Installation Parts up to AC 1000 V and DC 1500 V).

*German standard for cable conductors, wires and cords for power installation.



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INSTRUCTION FOR USE

GA103GB/1208



This instruction for use was written with greatest care and examined before publication. Should the ring connector be installed inappropriately and/or in unsuitable environment, A/S is not responsible for the consequences. Particularly and explicitly A/S is not liable for usage of the ring connector other than following this instruction for use. A/S explicitly excludes liability for consequential damage caused by ignored safety requirements and warning hints. We are not liable for consequences caused by tools other than ours.

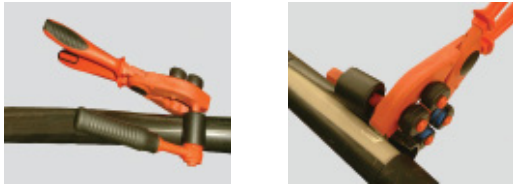
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Ring connectors are to be installed by qualified and trained skilled labour only !
Observe applicable regulations of local standards and internal instructions for live installation !

1

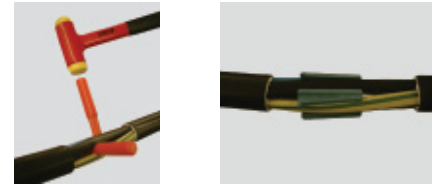


Strip mains cable

Strip mains cable to the length recommended by the joint manufacturer and observe minimum stripping lengths as stated in table below. These lengths will guarantee a faultless installation of ring connector. Remove filler.

Cross section	120 mm ²	up to 185 mm ²	above 185 mm ²
Recommended minimum stripping length	120 mm	160 mm	200 mm

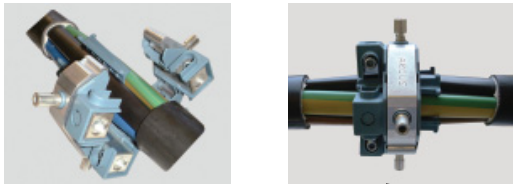
2



Installation of wedges

Spread mains cable cores at stripped section with a spreading wedge and hammer, then remove filler. Do not damage insulation of conductor. Place insulating wedge between cable cores so that the ring connector will be installed at the widest diameter of the joint shell ! Observe instructions of joint manufacturer !

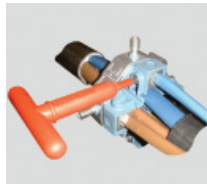
3



Installation of ring connector

Place the ring connector over the mains cable as shown. Snap the two connector halves in front of the wedges. The snap-lock of the ring connector should be on the top side. Then slide the ring connector stoutly onto the wedges. It is not necessary to move it up to the stop of the wedge !

4



Installation branch cable

Strip branch cable according to joint. Remove filler. Bend single cores correctly to phase and position and cut them flush. Strip branch cores as required for branch connection. Please be sure that after placing the branch cable cores into the branch of the ring connector no bare conductor is visible between ring connector and insulation of conductor ! Contact the four branch cores by evenly tightening the grub screws with our installation wrenches. Avoid subsequent bending of branch cores.



Conductor ends of branch cables smaller than 16 mm² need to be folded !

5



Installation mains cable

Contact the mains cable cores by consecutively tightening the insulation-piercing screws first, until they sit on the conductor insulation. Make sure that the ring connector will not shift on the wedges ! Next consecutively and evenly tighten the screws further until the screw head breaks off. To obtain this we recommend our wrenches (type no. 620 156 and 620 159). Please be sure that the wrench is completely fitted into the hexagonal socket of the insulation-piercing screw !



Attention !

A crack sound with a momentary release of torque during installation is characteristic for change of insulation piercing to pressure contact.



Hint for installation !

With low temperatures the conductor insulation may harden, so that it will be necessary to warm the insulation with a suitable heating source.