RING CONNECTOR WITH HEXAGON SOCKET SCREW FOR 3- AND 4-CORE CABLES

Please read complete instruction for use before installation !

Usage

Suitable for cables with plastic insulation such as: NYY, NAYY, NA2X2Y, NAYCWY and similar. On cables with oil-paper-insulation (NKBA, NAKBA, NAKLEY and similar) only conditional usage of this ring connector.
Please observe the internal installation instructions of the network operator !

Cross sectional range

Details about related cross sectional range can be found on the aluminium ring connector body ! Cross sections are based on dimensions and tolerances as per VDE 0295*. As there is a multitude of cables of different composition and deviating from VDE in networks, the marked cross sectional range only is 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, angular wrench or torque 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.

Spreading wedge
Type no. 109 177

Angular wrench
Type no. 620 159

T-box wrench
Type no. 620 156

Torque wrench 20 Nm Type no. 620 147
Insert SW5 Type no. 620 148
Insert SW6 Type no. 620 149

Phone
General
+49 (0) 89 / 436 04-0

Fax General
+49 (0) 89 / 431 68 88

Fax Sales Department
+49 (0) 89 / 436 04 73

Internet
www.ARCUS-Schiffmann.com
info@ARCUS-Schiffmann.com

Seat of the Company
Truderinger Str. 199
81673 Munich

ARCUS ELEKTROTECHNIK
ALOIS SCHIFFMANN GMBH

INSTRUCTION FOR USE

GA112GB/0808

RING CONNECTOR WITH
HEXAGON SOCKET SCREW
FOR 3- AND 4-CORE CABLES

RING CONNECTOR WITH HEXAGON SOCKET SCREW FOR 3- AND 4-CORE CABLES

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	50-120 mm²	up to 185 mm²	above 185 mm²
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 needs to 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 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 ! The optimum torque is 20 Nm. To obtain this we recommend our torque wrench (type no. 620 147).
Please be sure that the wrench is completely fitted into the hexagonal socket of the insulation-piercing screw !

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.