




GA177GB-10.08

INSTRUCTION FOR USE

Screw Connectors with Shear-Head Bolts for Low Voltage

Screw connectors with shear-head bolts for low voltage are to be installed only by qualified and trained specialists!

 Tools for live installation are to be in accordance with EN 60900!

Unpacking and examination:

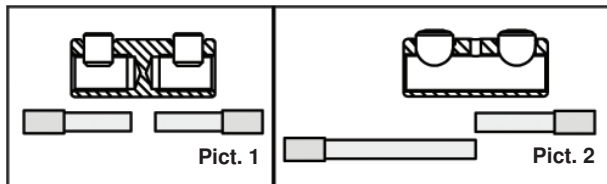
Unpack product just before installation to avoid soiling or damage of contact areas. In case of faults we would ask you to immediately contact ARCUS Schiffmann.

Installation:


Cut cable ends straight.

When using screw connectors with oil stop, remove the insulation on both conductor ends according to insertion length + 5 mm (see pict.1).

With straight-through screw connectors, strip one conductor end by the total length of the connector + 5 mm. The other conductor end strip by half the connector length + 5 mm (see pict.2).



Clean conductor ends thoroughly with new emerald paper (medium grain).

 Connect cleaned conductor ends within 5 minutes to avoid oxidation, procedure described subsequently!

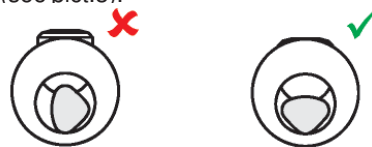
With screw connectors with oil stop, slip both conductor ends into clamping channel up to the oil stop.

With straight-through screw connectors, first slide connector completely over longer bare conductor end and then slide it back by half over the shorter bare conductor end.

Examine exact positioning of screw connector through inspection hole between shear-head bolts.


Sectorial conductors are to be positioned so that shear-head bolts make centric contact on the circular arc of the conductor (see pict.3).


Pict. 3



Tighten the shear-head bolts manually to fix the conductors inside the connector.

For further installation suitable installation tools are required (e.g. holding tool and T-box wrench).

 Secure sufficient hand space to prevent injuries caused by sudden breaking of the bolt head!

 Please be sure that the installation tool is completely fitted into the hexagonal socket of the shear-head bolt!

Tighten shear-head bolts consecutively, each by one turn, until head breaks off!

To obtain the specified torque of the screw it is important to tighten the screw with even movements, to avoid bending force onto the screw through the installation tool!

Disposal:

Dispose of broken off bolt heads as nonferrous metal.

Product liability and guarantee:

Precondition for guarantee is observance of instruction for use for installation.

This instruction for use was written with utmost accuracy and examined before publishing.

In case products are installed or used inappropriately, ARCUS Schiffmann is not liable for consequences. Expressedly, ARCUS Schiffmann excludes liability for following damages caused by non-observance of safety and warning hints.

We are not liable for consequences caused by accessories that were not supplied by us.

Valid are the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry.

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