

## IMPORTANT NOTES

ILME designs and manufactures complete solutions for heavy duty electrical power connections.

The connector, although offered to the user as a variety of elements (usually inserts and enclosures) in order to select the ideal combination, has been **designed as a single part** and tested to be compliant with the essential safety requirements of the Low Voltage Directive and in particular the EN 61984 standard.

The design of this “modular” system guarantees that every approved combination of inserts, enclosures and accessories cannot be improper.

The products in this catalogue cannot guarantee the best functionality on installation, as this depends mainly on their correct “installation into service” which must be performed in compliance with the applicable system safety standards and according to the “rule of the art”.

Therefore the effectiveness of the “**installation into service**” the connector depends on end user choices which must also take into account the following safety requirements.

Connectors must **not be connected or disconnected when live or under load**.

After wiring the inserts it is necessary to **verify the continuity of earth terminals**.

The correct coupling of the inserts is guaranteed only if they are installed (with the four fixing screws supplied) inside the corresponding enclosures or on compatible accessories in this catalogue. I.L.M.E. SpA is not responsible for any different application.

Cabling with **screw terminal connection** must be carried out applying the correct torque in order to avoid false contacts or damage to the conductor, the screw or the terminal.

The **crimping** tools and contacts used should preferably be supplied by the same manufacturer to avoid difficulties of insertion and retention of the contacts themselves.

Cabling of spring connection inserts is guaranteed only when the correct screwdriver indicated in the specific catalogue, or possibly on the insert, is used.

Avoid forcing the contacts during **connection and disconnection**.

Connectors must be coupled and uncoupled in the axial direction with respect to the contacts, without bending and pulling the attached conductor bundles or cables.

Installation of two **inserts side by side**, in enclosures with two bays, must respect the polarity marked on the insert (or contact side view, as shown in this catalogue) to avoid inverted coupling.

To avoid inverted coupling we recommend the use of **coding pins** when two or more identical connectors are installed side by side.

Enclosures must be completed with cable glands or other accessories with at least equivalent protection rating. Moreover, the IP protection rating (according to EN 60529) is guaranteed when the enclosures, complete with inserts, are coupled and locked with their closure levers.

Finally, remember that:

- ILME cannot be held responsible for use of individual components and/or for uses other than those described in this catalogue.
- ILME cannot be held responsible for inadequate connector selection in relation to application environmental conditions (for example: influence of ambient temperature, moisture, corrosion due to environmental radiation, etc.).

Connector inserts and their enclosures are generally compatible with similar/equivalent products from other manufacturers, according to the last samples tested.

Full compatibility cannot be guaranteed in the event of technical changes made by other manufacturers.

In particular, maximum performance of IP68 enclosures (Series CG) cannot be guaranteed if coupled with other manufacturers' products.

I.L.M.E. SpA takes no responsibility in verifying whether the components herein contained comply with the specific regulations of fields of application.