

- a. Levels (Analog or digital)
 - b. Flow velocity / flow volume (digital)
 - c. Pressure (digital)
 - d. Conductivity (digital)
- B. with process display for ratio / fixed values / cascade control as required by the individual process, including power supply, cabling/wiring and fixing material.

1.3.30 Industrial Plugs and Sockets

- A. Plug and Sockets shall be of Industrial type confirming to BSEN 60309-2.
- B. Sockets shall be mounted on the panels/enclosures/junction boxes as applicable and shall be supplied with associated plugs.
- C. The maximum rating of the plugs and sockets used shall be 125 A.
- D. Plug pins and socket contacts shall be self cleaning and calibrated type manufactured from solid brass.
- E. External screws and springs shall be made of non-corrodible material.
- F. Plugs, connectors and sockets bodies shall be manufactured from high impact, self extinguishing, durable and stable engineering plastics resistant to chemical reaction including hydro-chemicals, acids, dangerous gases, salines etc.
- G. Moulding material wherever used in the plugs and sockets shall be free from PVC, Cadmium and Halogen.
- H. Plugs and sockets shall be colour coded so that the voltage that at which they are operating can easily identified.
- I. The design of plugs and sockets shall ensure that only the correct plug can be inserted in each socket.
- J. Plugs and sockets used for Generator connections shall be of appliances **INLET** type.
- K. Plug and sockets shall be designed to provide IP67 rating.
- L. The plug and sockets shall be designed for ergonomics use.

1.3.31 Cables and Wires

- A. All cables shall be of a suitable voltage grade and shall be selected for the climatic conditions specified and shall be derated by factors approved by the Water and