



ABU DHABI SEWERAGE SERVICES COMPANY (ADSSC)

GENERAL SPECIFICATION FOR ELECTRICAL WORKS

DIVISION 16 ELECTRICAL

SECTION 16190 INDUSTRIAL PLUGS AND SOCKETS

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DOCUMENT CONTROL SHEET

Revision No.	Date	Revision Description / Purpose of Issue
01	April 2008	First Issue.
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1. GENERAL REQUIREMENTS4

1. GENERAL REQUIREMENTS

- a) All items described within this section shall comply with the provisions of Section 15001: General M&E Requirements.
- b) Plug and Sockets, wherever specified, shall be of Industrial type confirming to BS EN 60309-2 (IEC 60309-2).
- c) Sockets shall be mounted on the panels/enclosures/junction boxes as applicable and be supplied with appropriate plugs.
- d) The maximum rating of the plugs and sockets used shall be 125A.
- e) Plug pins and socket contacts shall be of the self-cleaning and calibrated type manufactured from solid brass.
- f) External screws and springs shall be made of non-corrodible material.
- g) 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 and salines, etc.
- h) Moulding material, wherever used in the plugs and sockets, shall be free from PVC, Cadmium and Halogen.
- i) Plugs and sockets shall be colour coded so that the voltage that at which they are operating can easily be identified.
- j) The design of plugs and sockets shall ensure that only the correct plug can be inserted in each socket.
- k) Plugs and sockets used for generator connections shall be of appliances INLET type.
- l) Plug and sockets shall be designed to provide IP67 rating.

END OF SECTION

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