

## Terminal Boxes

Extensive range of fault rated terminal boxes for HV machines

Quartzelec offers a complete range of certified and uncertified main and neutral boxes, suitable for HV motors and generators.

Supported by a team of experienced electrical and mechanical engineers, we are able to assist you in the selection of termination solutions from our standard range, or design and produce terminal boxes specific to your requirements.

Our full range of terminal boxes can be supplied as new assemblies, but equally we can provide a full range of spares to support all terminal boxes previously manufactured by our heritage companies which include English Electric, AEI and GEC Large Machines Ltd.

A product range developed since the 1960's, our terminal boxes are sold directly to OEM's for new machines, as well as to other service organisations for retro-fitting; on a worldwide basis.

Our 'best seller' - the phase segregated terminal box has been fitted to over ten thousand machines globally since its inception. ATEX/IECEx certified, this terminal box designed to eliminate phase to phase faults is suitable for operating in a Zone 1, Zone 2, Zone 21 and Zone 22 gas and dust hazardous areas.

# Product Overview

A complete range of certified and uncertified main and neutral terminal boxes suitable for 3.3kV applications and above with ATEX and IECEx certification in place for hazardous environments.



## Phase Segregated

Maximum rating: 11kV, 810A (uncertified), 545A (certified). Fault capacity: 250MVA @ 3.3kV, 500MVA @ 6.6kV, 833MVA @ 11kV. Fault tested: 44kA for 0.25 secs. Ex 'eb' and Ex 'ec' ATEX & IECEx Gas & Dust Certification in place.



## Euromold

Maximum rating: 11kV (certified), 15kV (uncertified), 1250A. Fault tested: >50kA for 1 sec (connectors). Ex 'e' and Ex 'nA' certification in place.



## Weatherproof

Maximum rating: 6.6kV, 700A (11kV Neutral). Fault capacity: 500MVA @ 6.6kV. Fault tested: 22.1kA for 0.25 secs. Ex 'nA' certification in place.



## Phase Insulated (BEAMA/CEGB)

Maximum rating: 3.3kV, 430A. Fault capacity: 250MVA @ 3.3kV. Fault tested: 26.3kA for 0.25 secs. Ex 'e' and Ex 'nA' certification in place.



## Protection Enclosure

Maximum rating: 15kV, 2000A. Ex 'nA' certification in place.



## Phase Separated

Maximum rating: 6.6kV, 360A. Fault capacity: 250MVA @ 3.3kV, 500MVA @ 6.6kV. Fault tested: 26.2kA for 0.25 secs.



## Air Insulated

Maximum rating: 11kV, 960A. Fault tested: 22.1kA for 0.25 secs. Ex 'e' certification in place.

All boxes are supplied finished in a grey, semi-gloss, two-pack epoxy finish, suitable for overspraying. Stainless steel fasteners and warning plates fitted as standard. Gland plates supplied blank or drilled and tapped to suit cable glands.

## Key Contact Information

To request a quotation or further information please contact

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