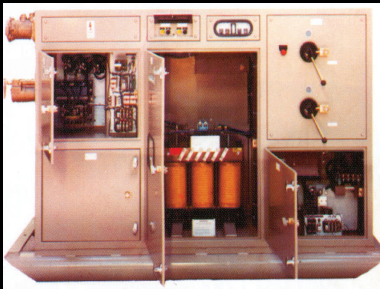


Ruggedised Load Centres (RLC)

For Open-Cast mining, Quarrying, etc.



In this typical example the three functional units, from left to right are: -

- * Incoming Circuit Breaker (or Isolator)
- * Distribution Transformer
- * Circuit Breaker (or Fused Contactor)

Product Range:

B&F ruggedised load centres (RLCs) are robustly fabricated to a very high standard, and skid-mounted for ease of relocation around the job-site as required.

Applications:

These versatile RLC units can be used in any application where mobility of rugged electrical equipment is a requirement. These include: -

- * Open-cast mining, quarrying, etc.,
- * Driving local machinery, including: - pumps, conveyors, fans, etc.

These compact and mobile skid-mounted units can be re-sited to any convenient, accessible and safe location.

Product Highlights:

- * Compact, mobile, skid-mounted
- * Supplies provided by trailing cables

Further benefits:

- * Functional units can be arranged to suit specific on-site requirements
- * Includes incoming circuit breaker, isolator, fused contactor, or distribution transformer

Certification:

All B&F products are ATEX & IEC certified.



Telephone.
+44 (0) 114 286 6000

Facsimile.
+44 (0) 114 286 6059

Email.
sales@baldwinandfrancis.com

Address.
President Way, President Park, Sheffield, S4 7UR United Kingdom

Features & Benefits

Protection - can be micro-processor based intelligent relays.

Control - can be Local or Remote via hard-wired control stations, or Auto-Control via intelligent relays.

Instrumentation

- * Ammeter
- * Volt meter
- * Energy meters

Fabrication

All welded minimum 2.5 to 3 mm carbon steel rigid framework with internal panels, bolted access covers / hinged doors, all mounted on twin pontoon skids for rigidity and ease of relocation and handling. Castell type interlocks can also be fitted if required.

Ingress Protection - IP54

Supply - main supply above ground typically utilises skid mounted Motor Control Switchgear, with up to 12kV Incoming, and Outgoing at 6.6kV, 3.3kV, or 415V, dependent on which transformer is required for secondary feed. Current capacities up to 1,250A can be considered.

Supply at the face will typically utilise the skid mounted Substation / Trammig Units, with 3.3kV or 6.6kV Incoming, and Outgoing at 3.3kV or 415V, as required.

Skid Mounted Motor Control Switchgear up to 12,000V; 400A /630A / 1,250A as required.

In the typical example shown below, the three Incoming functional units are all Circuit Breakers.

This arrangement can however be customised to suit the site-specific End User requirements.

