



1300 0 PHOENIX
www.phoenixems.com.au

VISIBLE BREAK ISOLATORS &
LOCAL CONTROL STATIONS



INDUSTRY APPROVED VISIBLE BREAK ISOLATORS & LOCAL CONTROL STATIONS

Phoenix EMS is a market leader in enclosures specialising in the design and manufacture of custom local control stations and isolators including an extensive range of visible break solutions. Our high quality, fully engineered, customised solutions are the very best the industry has to offer.

Phoenix EMS LCS are specified and installed in the following sectors:

- Mining - coal & metalliferous
- Stackers/reclaimers/ship loaders
- Materials handling
- Chemical
- Concrete & quarries
- Heavy industry
- Petro-chemical/oil and gas
- Fuel farms
- Reclaim tunnels (DIP)
- Coal handling & processing plants
- Mine infrastructure
- Water & sewerage
- Steel making
- Lithium & specialised metals



VISIBLE BREAK ISOLATORS & LOCAL CONTROL STATIONS

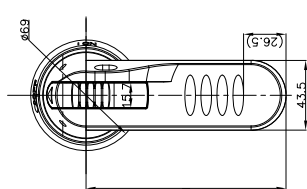
GENERAL SPECIFICATIONS:

- Complete range of Single and dual door isolators up to 3000A
- IP66 rating
- Construction 1.5mm - 2mm
- 316 SS (other options available upon request)
- 37 degree sloped roof versions
- 2B or N4 finish
- Viewing windows
- LED lighting solutions
- Phoenix stainless steel front & side mount handles to suit all brands of isolators ABB/Schneider/Legrand/Dumeco/Socomec
- Polyurethane gaskets
- Rear turn busbar options for large cables
- Sized for ease of site installation
- Custom designs to suit client specifications
- Gland plates available in all materials
- Complete turnkey wired solutions
- Panels can be provided to suit site preferred equipment

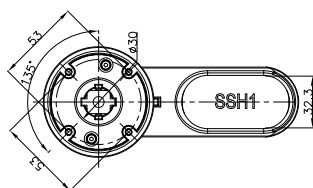
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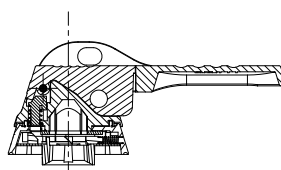
PHOENIX STAINLESS STEEL SIDE MOUNT & FRONT MOUNT HANDLE CONFIGURATIONS



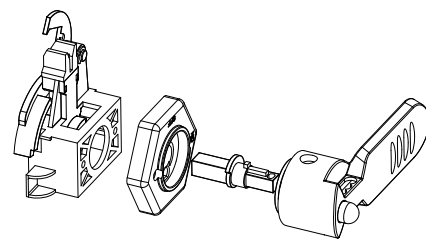
Front View



Back View



Side View



Exploded View

Phoenix EMS offers a high-quality range of stainless steel isolator handles that conforms to all lockout requirements and are available in both front and side mount options.

Phoenix EMS handles are designed to fit the below switches:

- Dumeco
- ABB
- Socomec
- Legrand
- Schneider

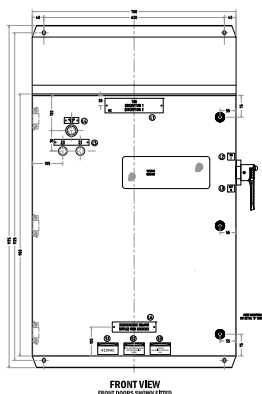
Features

- IP66 stainless steel handles
- On/Off indication
- Cast alloy locking mechanism
- Non-spring operated (mechanical driven for reliable, repeatable performance).
- Upgraded design for severe heavy duty environments.
- Handle mechanically interlocked within door in the "On" position for superior "SAFETY".

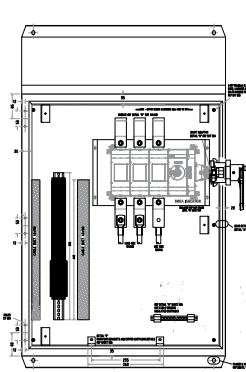
Improved Features

- Upgraded tolerances shaft > handle > mechanism > isolator
- Improved handle robustness
- All drive shafts now zinc steel construction (replaces cast alloy)
- Upgraded seals
- Locking mechanisms mechanical upgrades to locking tongue mechanism for upgraded rigidity.
- Larger locking mechanism for superior performance.
- Handle locked into the "OFF" position with up to 3 padlocks

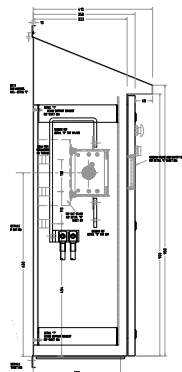
EASY CABLE INSTALLATION - REAR TURN BUSBAR SYSTEM



FRONT VIEW
FRONT DOOR REMOVED



FRONT VIEW
FRONT DOOR REMOVED



SIDE VIEW

Phoenix EMS have a range of high visibility LED lights for contact visualisation in our range of Visible Break Isolators.

Rear Busbar Connection System





BUSBAR DESIGN



Phoenix EMS ensures that all local control stations and isolators are designed in accordance with cable schedules and cable bending radius criteria along with a complete range of busbar designs for both load and line side connections.

MULTI - ISOLATORS

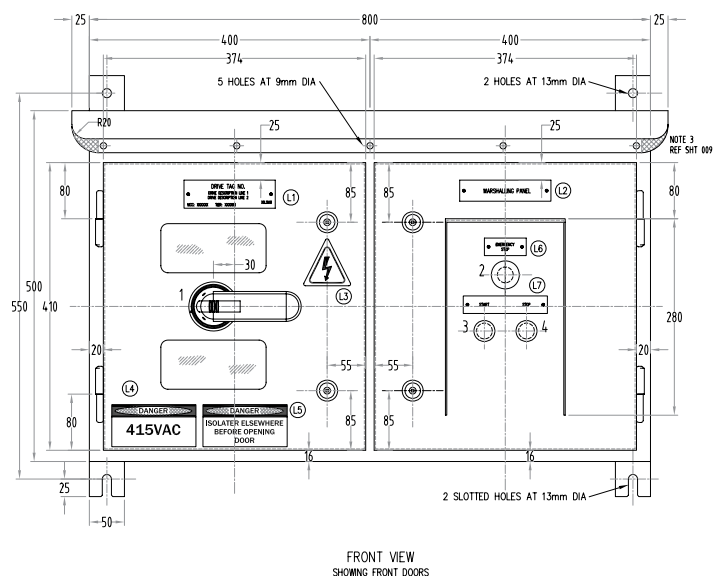


Phoenix EMS feature a range of multiple switching mechanisms for multi-motor applications for both two and four motor configurations. These switches are designed and manufactured in house to our stringent standards and are typically intended for centrifuges, vibrating, screws, long travel drives where multiple motors require a single point of isolation.

ENGINEERED PROJECT PACKAGES

Phoenix EMS provides an end-to-end in-house Engineering service that specialises in the design of local control stations and isolators to meet customer and application requirements. Phoenix EMS also offers custom turnkey design packages to suit every customer and application.

- LCS/isolator specifications
- Engineering design
- Detailed drawings
- Bill of materials
- Manufacturing
- Electrical wiring
- Testing and commissioning
- Project documentation





Industry Leaders in Enclosures

Phoenix EMS is a world leader in the manufacture and supply of a diverse range of electrical enclosures and value-add solutions for industry. With over 25 years of proven manufacturing capability and a large installed base, Phoenix EMS represents a quality customer choice for both standard and custom enclosure solutions from concept to completion.



Phoenix Engineering & Manufacturing Solutions

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