



TRIVANTAGE

MANUFACTURING



‘SEGURA’

a new era in switchboard safety

The Trivantage Group introduce the exciting and innovative new range of AS/NZS 61439.1:2016 design verified low voltage switchboards adaptable to any situation.

SEGURA-P SEGURA-M SEGURA-E
SEGURA-D SEGURA-MP

Trivantage Manufacturing Division

The Trivantage Manufacturing Division is proud of our contribution to the electrical industry over the past 50 years. Trivantage Manufacturing's ongoing growth reflects the commitment of our engineering team in the development of new products that not only comply with new standards but also provide innovative and cost-effective solutions for our customers. The Trivantage SEGURA range is manufactured locally in our Melbourne, Brisbane and Sydney facilities. This guarantees best practise and local content ensuring the highest quality products while continuing to support manufacturing in Australia.

SEGURA RANGE

SEGURA means safe, sure, secure, reliable and dependable.

The team at Trivantage Manufacturing are proud to introduce our innovative new SEGURA range of locally designed and manufactured AS/NZ 61439.1:2016 design verified low voltage switchboards, from the modular Main Switchboard **SEGURA-P** and Motor Control Centre **SEGURA-M** through to the **SEGURA-E** MSB and modular Board system **SEGURA-D** and **SEGURA-MP**.



SEGURA-P MAIN SWITCHBOARD SEGURA-M MOTOR CONTROL CENTRE

The SEGURA-P and SEGURA-M modular range is designed to enhance quality and safety and with a comprehensive range of modular compartments and tier configurations provides the flexibility to customise to specific customer needs.

The SEGURA-P and SEGURA-M are completed in-house from start to finish including the metalwork construction, busbar work and electrical fit out, thus ensuring the highest standard of quality is maintained throughout the construction process.

**FULLY DESIGN VERIFIED TO
AS/NZS 61439.1:2016**

Constructed from 2mm zinc anneal sheetmetal and powdercoated to customer specification

Short circuit withstand ratings of, 80kA / 1sec
65kA / 1sec, 50kA / 1sec and 50kA / 3 sec

Temperature rise verification to clause 10.10 of AS61439.1.2016

Standard and Special arc fault containment for 65kA 415V prospective fault level (Annex ZD.5 and Annex ZD.6)

Arc Fault Containment for ratings up to 3200A

Ingress Protection ratings IP42, IP54 and IP66 making suitable for outdoor, plant room and indoor situations

Operational Voltage 690V

Front connected depth 600mm

Back connected depth 800mm

Back to Back connected depth 1050mm

Various forms of segregation Form 1- 4B

- Resting clamp busbar joints for ease of installation and disconnection
- Extendable design for future expansion
- Compact design for a more efficient footprint
- Safety assured with complete arc fault testing on entire switchboard
- Enhanced selectivity
- Generous cable termination zones
- Fully adaptable
- Stainless steel and aluminium versions available
- Modular designed compartments and tiers
- Demountable compartments with plug in design (plug in feeder modules)
- Rear mounted top, centre and bottom busbar arrangement
- Main busbars extendable both ends
- Vertical dropper busbars 3 and 4 pole arrangement
- Top and bottom cable entry and exit

SEGURA-E MSB BOARD

Following on from the development of the SEGURA-P and SEGURA-M, the SEGURA range has evolved to include the SEGURA-E economical switchboard, designed for power distribution and metering applications up to 630A. The modular system is designed in module blocks for faster design and assembly.

- Complements the Segura-D range of Distribution Boards
- Supply Authority CT Chamber and Meter Panel
- Removable top and bottom gland plates

Available 160A to 630A main switch
Design verified to 50kA for 1 sec withstand
Depth up to 400mm
IP Rating 42
Various tier widths and heights Based on module sizes
Fitted with MCCB's and miniature circuit breakers
Various forms of segregation Form 1- 4



- Top and/or bottom Din knock-out facility (30 module wide)
- Earth and neutral bars fitted
- Hinged escutcheon / door
- Removable/reversible door

SEGURA-D DISTRIBUTION BOARD

Available up to 630A main switch
24 to 108 pole
Panel board depth 270mm including door (door = 20mm)
650mm wide, various heights to 2000mm

- Removable top and bottom gland plates
- Schedule holder
- Surface wall mounted or freestanding
- Slotted duct for better cable management
- Top and/or bottom Din knock-out facility (30 module wide)
- Double screw, split earth and neutral bars fitted
- Equipped with sturdy flush lock
- Hinged door



- Key lockable
- Removable/reversible door

Our innovative SEGURA-D distribution board has been designed by experienced electrical technicians to meet the highest Australian standards. Our boards have all the standard features you would expect but also have options that provide the flexibility and space you need to work comfortably and efficiently.

Segura Distribution Boards are built to the highest Australian standards with a high-quality finish and are adaptable for a wide range of switchgear brands.

SEGURA-MP METER PANEL

Our innovative SEGURA-MP Meter Panel has been designed by experienced electrical technicians to meet the highest Australian standards. Our boards have all the standard features you would expect but also have options that provide the flexibility and space you need to work comfortably and efficiently.

Hinged meter panel
Panel board depth 270mm including door (door = 20mm)
Meets the National Supply Authority specifications for each state
Range of complementary Tee-off boxes available

- Side hinge door
- Removable door
- Surface wall mounted or freestanding
- Removable hinged electrical panel
- IP rating 23 minimum
- Schedule holder

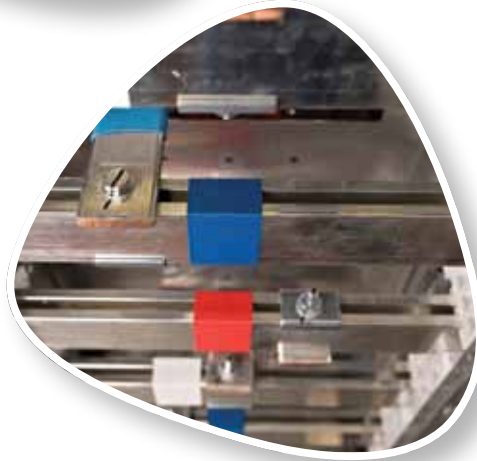


Tee Off Box





TRIVANTAGE



1800 SEGURA

Melbourne 03 9466 3977
Sydney 02 9672 0400
Brisbane 07 3256 1522
info.mfg@trivantage.com.au
www.trivantage.com.au

Trivantage Manufacturing,
a Division of the Trivantage Group



Electrical Services



Building technologies



Switchboard Manufacture