



## Company Profile: PHAMBILI Interface (Pty) Ltd

### 1) Introduction

Weidmuller or KLIPPON is a well-known brand name in South Africa for over 40 years. PHAMBILI Interface is the exclusive distributor of Weidmuller products from Germany to industry end users, consultants, panel builders and electrical and automation suppliers and system integrators to end-users.

### 2) Company History

Weidmuller started in South Africa as Klippon Electricals (Pty) Ltd in 1970 a subsidiary of the UK Company KLIPPON UK which was established by Weidmuller in 1959.









In 1991 Weidmuller formed a holding company and all subsidiaries were pulled in under Weidmuller Interface GmbH & Co in Germany. Klippon Electricals (Pty) Ltd thus remained a subsidiary, but reporting to Weidmuller Interface in Germany direct and went through a name change to Weidmuller (Pty) Ltd.

In 2000 following the appointment of Derrick Mulligan as Managing Director of the subsidiary in 1998, the South African subsidiary concluded a Management Buyout of the company from Weidmuller Germany. The company underwent a further name change to RAD Interface (Pty) Ltd and become the Exclusive Distributor for Weidmuller products in Sub Sahara Africa.

In 2005 the management of RAD Interface embarked on a transformation process in line with BEE in South Africa. It was decided that RAD Interface (Pty) Ltd will become a holding company for consolidation of all the companies that RAD Shareholders own and a new Trading Company PHAMBILI Interface (Pty) Ltd was established with a 26% shareholding and voting rights vested in an employees trust for PDI employees and the other 74% shareholding held by RAD Interface (Pty) Ltd.

Phambili Interface (Pty) Ltd thus become the exclusive distributor for Weidmuller, Pfannenberg, Iboco and Interflex products in Sub-Sahara Africa and commenced trade in March 2006.  
Phambili is currently a level 4 (Generic) supplier.

# List of Products and Suppliers

1. **Rail Mounted Terminals and Accessories** *Weidmüller* 
  - Electrical Terminals – Screw clamp, Tension clamp, Insulation Displacement (IDC), spring loaded, Push-in, wire wrap and solder lug
  - SAK, W series, Z series, P and IDC series
  - Hazardous area terminals
  - Shield connections KLBU
  - Power Supply terminals
  - Terminals for Nuclear containment areas
  - Terminal Accessories: - Cross connectors, labels, markers, test connectors, fuse holders, Din (TS 35) and G (TS 32) rail
  
2. **Printed circuit board connectors** *Weidmüller* 
  - Printed circuit board terminals and connectors
  
3. **Heavy Duty Connectors** *Weidmüller* 
  - Robust heavy duty connectors, inserts, cable glands and accessories
  - Concept Modular Heavy Duty Connectors and inserts
  - High voltage and Current connectors
  - IP 68 Heavy Duty connectors, inserts and accessories
  - Heavy Duty Connector Pins (male and female), screw ,Push In and tension clamp
  
4. **Interface units** *Weidmüller* 
  - PCB terminal to Pin Block, SUB-D, ELCO, RJ45
  - PCB Card holder interfaces
  - PLC Interface units with front adaptor for Siemens Allen Bradley GE Fanuc etc.
  - PLC Input/Output passive and active (relay couplers) Modules
  
5. **Analogue Signal Processing** *Weidmüller* 
  - Signal isolators and converters including Universal, DC/DC, PT100/RTD, Thermo element, frequency and bridge converters Programmable via FDT
  - Interface converters including serial and AD/DA 8 and 12 bit
  - Pre Processing logic conditioners
  - Monitoring modules (Current, voltage and threshold)
  
6. **Digital Signal Processing** *Weidmüller* 
  - Relay couplers
  - Opto couplers
  - Timers
  - Function modules
  
7. **Power Supplies** *Weidmüller* 
  - Unregulated Power supplies (single and 3 Phase) up to 40 Amps
  - Switch mode power supplies (single and 3 phase) up to 40 Amps
  - Electronic fuse systems
  - DC/DC converters
  - UPS and Battery Backup units
  
8. **Over voltage protection** *Weidmüller* 
  - Over voltage and lightning protection for Energy distribution systems
  - Over voltage and lightning protection for measurement and control systems
  - Over voltage and lightning protection for data interfaces and Bus systems
  - Line filters

## 9. Terminal and cable marking systems and accessories

- Marking systems (printers and plotters) for terminal markers, cable markers and installation accessories
- Terminal markers
- Conductor and cable markers (plastic and metal)
- Device markers (plastic and metal)

## 10. Tools and accessories

- Cable and wire cutting tools
- Stripping tools
- Crimping tools
- Screwdrivers
- Testers Voltage current temperature etc.
- Specialized tools and crimp sets
- Accessories include wide range of wire ferrules

## 11. Sensor-Actuator -Interface Components

- Sensor-Actuator-Integrator (SAI) passive and active products including ASI, Profibus, CAN open, Devicenet etc
- Various SAI sockets, plugs and cables connectors

## 12. Fieldbus Components

- Industrial T connectors and accessories for Profibus DP and PA and Foundation Fieldbus for standard and Exia applications
- Various sockets and plugs for T connectors and instruments

## 13. Enclosures

- Stainless steel, mild steel, Polycarbonate, Die cast aluminum and Polyester GRP Enclosures and accessories
- We can also supply empty enclosures of other manufacturers I.e. Sarel, GE, ABB, Enclosure solutions and many others.

## 14. Industrial Ethernet

- Industrial Ethernet passive cables and plug in connectors and outlets
- Industrial Ethernet Active modules including
- Switches un-managed and managed, PoE switches
- Media converters
- Routers
- WLAN Bridge

## 15. Enclosure and Panel air conditioning

- Cooling units
- Chillers
- Heat exchanges
- Filter fans
- Heaters
- Thermostats
- Hygrostats

## 16. Wire Trunking and ducting

## 17. Industrial sounders and alarms

 Pfannenberg

## 18. EX signal beacons and alarms.

## 19. Flexible Conduit and connectors.



- PA Conduit and connectors
- PVC Conduit and connectors
- Galvanised Steel and Stainless Steel Conduit and connectors
- Galvanised solid and mesh cable trays and accessories

## 20. Cable Ties

## 21. Panel Wire

## 22. Cable Glands (and others)

## 23. Heat shrink for Cables and wires



## 24. Alfra Tools (Punching, drilling, cutting, and deburring)



## 25. Custom Junction Box and rail assemblies. (and others)

- We offer Customised junction box/rail and terminal assemblies to house din rail components for normal, intrinsic safe and hazardous area applications (with ATEX or IA Test Certificates).
- We can engineer and assemble customer specific enclosures with other manufacturers Enclosures and equipment (Cable glands, Switches, Isolators, Circuit Breakers etc), for use in customer specific isolator/DB stations, Engineering/design including CAD drawings and IA testing done by Phambili Interface. All assemblies 100% Q.C. checked after assembly.



**PHAMBILI Interface supplies all products listed above to the Process, Industrial, Building and Transportation industries with specific products and service expertise to the following Industry segments and affiliated sub suppliers as outlined below.**

## **1. Mining**

Various passive and electronic interface product configurations with a high focus on intrinsic safety and hazardous area applications. Customized hazardous area junction box assemblies (Exe) with Certification. Other products such as sounders and alarms and panel air-conditioning and filter fans compliment this.



## **2. Energy**

**(Generation, transmission, distribution)**

Passive and electronic interface products for protection, metering and control applications.  
(Spring loaded terminal technology)  
Fieldbus components and enclosures including customized assemblies  
(junction boxes and rail with terminal assemblies)



## **3. Petrochemical Oil and Gas**

Hazardous area (Exe, Exd) passive products and customized junction box assemblies mainly in stainless steel and polycarbonate materials.  
Heavy duty connectors and Ex Signal beacons and alarms.



## **4. Rail and rolling stock**

Tension clamp type terminals (Z series) and modular type heavy duty connectors. Polycarbonate enclosures and rail assemblies for field signal applications. Signaling devices.





## 5. Automotive

Heavy duty connectors and electronic interface products. Hazardous area junction box assemblies, tower lights and most recently SAI fieldbus components.



## 6. Metal Processing & Metal fabrication

Electronic interface products and heavy duty connectors. Some fieldbus component applications. Panel airconditioning and filter fans.



## 7. Water reticulation and purification

Mainly passive and electronic interface products as well as customized junction box and rail assemblies.



## 8. Building and Construction

Mainly Enclosures and customized junction box assemblies with increasing electronic interface products and fieldbus components.



## 9. Electrical control panel manufactures

Mainly passive, electronic interface products, heavy duty connectors, installation products and tools and accessories.



## 10. Marine and shipbuilding

Electronic interface products and customized hazardous area junction box assemblies and alarms. "Exd" junction boxes and intrinsic safe interface products for oil platforms.



## 11. Telecommunications

PCB terminals and connectors. Modular type heavy duty connectors. Panel air conditioners and filter fans. Some enclosure applications. Over voltage protection.



## 12. Food and Beverage

Electronic interface products, Stainless steel enclosures, customized junction box assemblies and tower light indicators. Fieldbus components. Electronic modules and components. Sensor and actuator interface. Field Bus modules.



## 13. Machine builders and OEM's

PCB terminals and connectors, customized rail assemblies, modular type heavy duty connectors and increasing fieldbus component applications. Electronic components.



## 14. Agriculture

Customized rail assemblies, modular type heavy duty connectors and increasing fieldbus component applications. Electronic components. Junction boxes and customer specific assemblies.



## 15. Renewable Energy

Photovoltaic customized combiner junction boxes, Monitoring systems for installations and panel connector boxes and special connectors for large photovoltaic systems including special stripping and crimping tools for conductors and cables used in PV installations..





