



**Weidmüller** 

Phambili Interface **Company Portfolio**  
[www.weidmuller.co.za](http://www.weidmuller.co.za)

 **Proudly  
Bidvest**

**PHAMBILI**  
  
Interface



# Introduction

PHAMBILI INTERFACE is the sole distributor for Southern Africa of: Weidmuller, Pfannenberg, INTERFLEX, Shrinktek, IBOCO and ALFRA.

Weidmuller or KLIPPON is a well-known brand in South Africa. For over 50 years Weidmuller has provided class leading products to Southern African end users in the field of industrial connectivity. Our core customers are consultants, panel builders, electrical, automation and system integrators.

PHAMBILI INTERFACE strives to provide our customers with the best product range, service and competitive prices across all our product ranges.

With PHAMBILI INTERFACE Quality is Key and we comply with ISO 9001:2015.

PHAMBILI INTERFACE is a Level Two Contributor to BEE (B-BBEE).

PHAMBILI INTERFACE can locally manufacture hazardous area junction boxes.

Along with great customer service, our technical staff have all the required training from Weidmuller Germany, making Phambili Interface Weidmuller’s service center for Sub-Saharan Africa.



## 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 reported to Weidmuller Interface in Germany directly, 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 became the exclusive distributor for Weidmuller products in sub-Saharan 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 employee's trust for PDI employees, and the other 74% shareholding held by RAD Interface (Pty) Ltd.

In September 2014 Phambili Interface was acquired as a growing concern by Bidvest Electrical (Voltex (Pty) Ltd trading as Phambili Interface). The company is a specialized division of the Voltex Group and trades as before with key accounts and customers, including other divisions of the group as before. Phambili Interface division remains the exclusive distributor for Weidmuller, Pfannenberger, Iboco, Interflex, Alfa and Shrinktek products in sub-Saharan Africa.



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## 1 Rail mounted terminals and accessories

- 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 A 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

- Printed circuit board terminals and connectors

## 3 Heavy duty connectors

- Robust heavy duty connectors, inserts, cable glands and accessories
- ModuPlug, 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

- PCB terminal to Pin Block, SUB-D, 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

- Signal isolators and converters including Universal, DC/DC, PT100/RTD, Thermo element, frequency and bridge converters, programmable via FDT
- New Act 20P one unit for all signal requirements
- Interface converters including serial and AD/DA 8 and 12 bit
- Pre-processing logic conditioners
- Monitoring modules (current, voltage and threshold)

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### Digital signal processing

- Relay couplers
- Opto couplers
- Timers
- Function modules

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### Power supplies

- 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
- Pro Eco, Pro Max, Pro Top. High end power supplies
- Pro Top included Ex, ATEX and IECEx protection

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### Over voltage protection

- 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
- MaxGuard, electronic fuse terminals and load monitoring products

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### 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)
- New THM MMP cost effective printing system
- PrintJet Advance, robust printing system for all your application needs

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### Tools and accessories

- Cable and wire cutting tools
- Stripping tools
- Crimping tools
- Screwdrivers

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- 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
- Hazardous area enclosures
- 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 Remote IO

- Remote IO couplers supporting Profinet/Profibus DP/Ethernet IP and Modbus
- Remote IO Interface card for analog, digital and relay signals
- Wide range of cards to accommodate all requirements
- Including IP67 U-Remote
- Including Weidmüller's range of HMIs

## Products we offer

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### 16 Cable ties

### 17 Cable glands

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### 18 Custom junction box and rail assemblies

- 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.



### 19 Enclosure and panel air conditioning

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

### 20 Industrial sounders and alarms

### 21 EX signal beacons and alarms



## Products we offer

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### 22 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



### 23 Wire trunking and ductings

### 24 Panel wire

## Shrinktek

### 25 Heat shrink for cables and wires



### 26 Alfra tools (punching, drilling, cutting, and deburring)

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, alarms, panel air-conditioning, and filter fans complement 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, Exia), passive products, and customised 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 air-conditioning and filter fans.










## 7. Water reticulation and purification

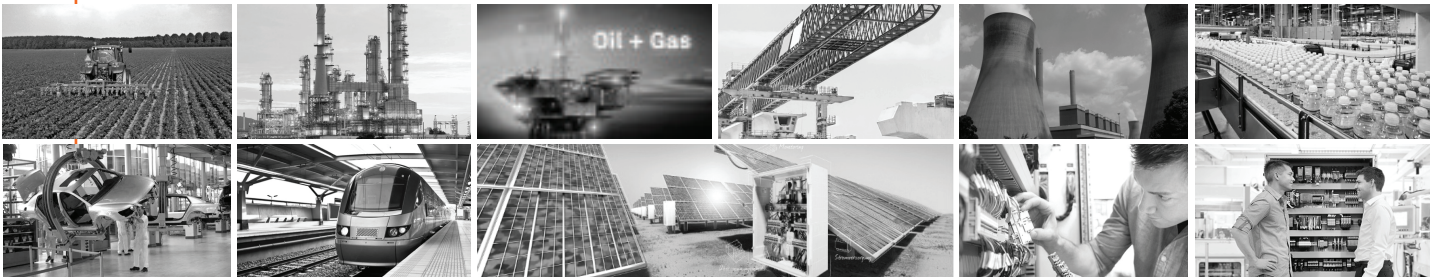
Mainly passive and electronic interface products as well as customized junction box and rail assemblies.



## 8. Building and construction

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

-  **9. Electrical control panel manufacturers**  
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. Fieldbus modules.
-  **13. Machine builders and OEMs**  
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.



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