

Charging Contacts

for AGVS, Shuttles and More

CONDUCTIX
wampfler

Conductix-Wampfler brings our extensive knowledge of mobile industrial electrification to **Charging Contact** solutions. Charging Contacts maximize operational time by providing a physical connection to charge batteries or capacitors quickly. Fleet applications use fast charging to reduce the total number of vehicles needed and maximize uptime. Opportunity charging applications can quickly charge at momentary stops during process including staging areas, workstation, and loading/unloading stations keeping vehicles on the floor. Faster charging maximizes ROI and eliminates the need for manual or automated battery swaps. Charging contacts are great for both automated and manned applications as they eliminate the need for operators to remember to plug in equipment when not in use. **Profitability and productivity** are optimized.

Markets & Applications

- Manufacturing
- Warehouse and Distribution
- Automotive
- AGVs
- Shuttles
- Amusement Rides
- Service Robots
- AMRs
- Custom Engineered Configurations



Technical Specifications



Features & Benefits

- Adaptable design to handle all of your on-demand charging needs
- External and internal shunt designs to meet your application requirements
- Full range of amperages to meet your demands
- Floor or wall mount for sliding entry or direct contact
- Easy installation

Technical Specifications

Nano Series

- Design compliant with UL 2231-2
- Optional pilot contacts
- Voltages up to 60V DC / 25V AC
- Ampacities from 20A to 600A
- Positional tolerance: X: ± 5 mm | Y: ± 5 mm | Z: ± 2 mm

Enduro+ Series

- UL583 recognized component
- Patent pending shunt design
- CANBus tested solution
- Ampacities from 100A to 600A
- Positional Tolerance: X ± 15 mm, Y: ± 15 mm, Z: ± 10 mm
- Optional pilot contacts

Nano

Conductix-Wampfler's **Nano Series** of Charging Contacts provides a compact solution for charging systems.

The Nano Series offers a smaller footprint when compared to other charging contacts in the market with up to a 75% smaller collector and up to a 66% smaller base plate. With a chamfered edge design the Nano Series ensures that only long-life wear-resistant components meet each other. The Nano Series Charging Contact is a compact, modular design ideal for applications where space is a premium.

Features

Long Life – The chamfered edge design ensures that only long life wear resistant components come in contact with each other.

Charging Integrity – The brushes never come in contact with the plastic eliminating the need to have cleaning brushes to ensure charging integrity.

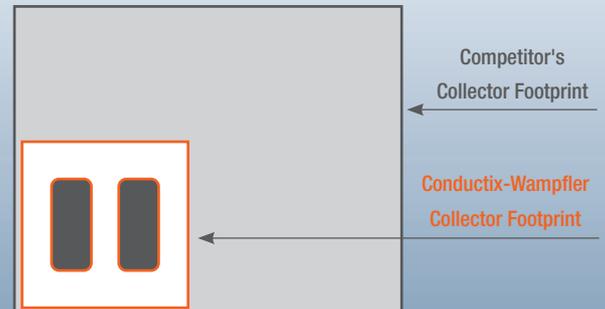
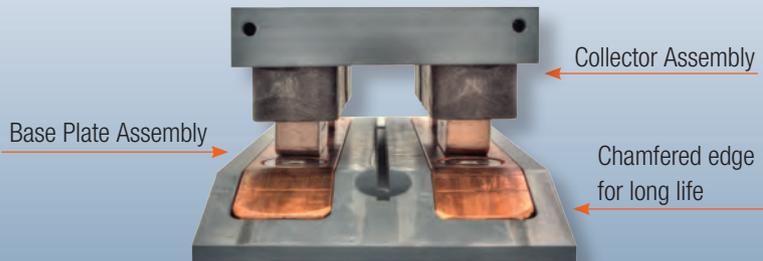
Compact Footprint – Up to 75% smaller collector; up to 66% smaller base plate.

Modular Design – Allows for design flexibility.

Cost Effective – Exceptional performance at an exceptional price.



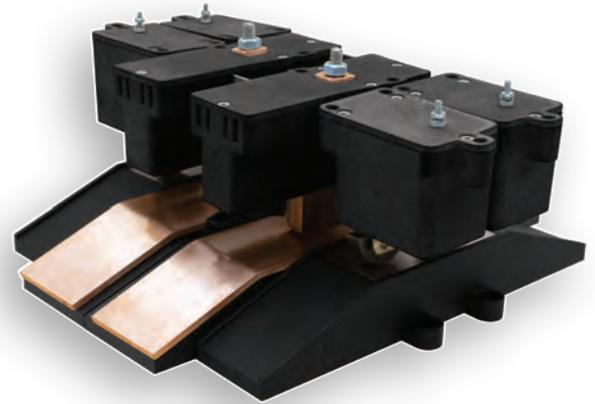
Compact Footprint



Enduro⁺

Conductix-Wampfler's **Enduro⁺ Series** of Charging Contacts maximize productivity by capitalizing on opportunity charging wherever equipment is stationary.

The Enduro⁺ Charging Contacts allow for equipment to be charged at current capacities of 100 to 600 amps maximizing uptime and ROI. These durable charging contacts have a wear-resistant chamfered edge that provides a high charging rate while also reducing the negative impact of debris. Highly tolerant to misalignment, our Enduro⁺ Charging Contacts are effective for a wide range of battery-powered equipment, such as automated guided vehicles (AGVs), automated guided carts (AGCs), shuttles, industrial fork lifts, and more.



Features

Modular Design – Allows for ultimate design flexibility.

Increased Misalignment Tolerances – For improved contact connection.

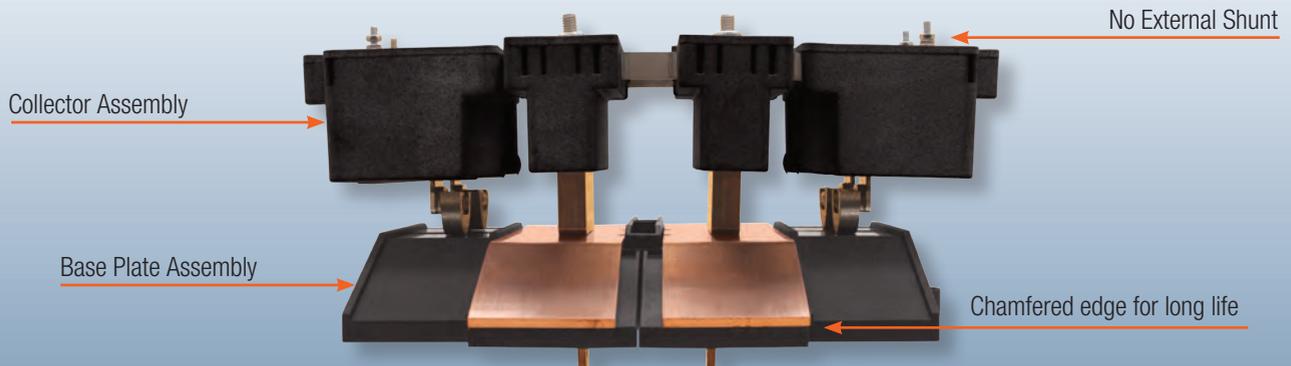
High Charging Rate - Minimizing wasted charging downtime.

CANbus tested pilots - Maximize charging profile efficiency with communication link.

No External Shunt - Increased ease of installation with simplified lug connections.

Chamfered Edge - Ensures clean contact surface for superior power transfer.

Patent-Pending Shunt Design - Tested to 1 million cycles creating a long lasting, worry free solution.



www.conductix.com

Conductix-Wampfler has just one critical mission:
To provide you with energy and data transmission
systems that will keep your operations up and
running 24/7/365.

To contact your nearest sales office, please refer to:
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