



ChargingContacts

NANO ***NANO⁺*** ***ENDURO⁺***

 ***CONDUCTIX***
wampfler



NANO

NANO⁺

ENDURO⁺

Test Cycles

Up to 100,000

>1,000,000

>1,000,000

UL Compliance

UL 583 recognized component

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Pilot Contacts

Yes

No

Yes + CANBus Tested

Voltage

Up to 60 VDC/ 25 VAC

Up to 60 VDC/ 25 VAC

60 VDC limit of UL583 standard
(Designed to meet 150 VDC)

Ampacities

20A to 300A

5A-25A, 50A, 75A

100A to 600A

Position Tolerance

X: ± 5mm | Y: ± 5 mm | (Z axis)
depression: 1mm with 4mm of travel

X: ± 5 mm, Y: ± 28 mm, (Z axis)
depression: 1mm with 4mm of travel

X: ± 15 mm, Y: ± 15 mm, (Z axis)
depression: 2mm with 18mm of travel

Modular

No

No

Yes

Shunt

External

Internal

Internal

Mount

Floor, Wall, Side, Bottom

Floor, Wall, Side, Bottom

Floor, Wall, Side, Bottom

Operating Temp.

-20°C, -4°F to 100°C, 212°F

-30°C, -22°F to 130°C, 266°F

-30°C, -22°F to 120°C, 248°F

Market Applications

Manufacturing
Warehouse and Distribution
AGV's AGC's AMR's, Service Robots
Shuttles
Amusement Park Rides
Custom Engineered Configurations

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Nano

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

The **Nano Series** offers a smaller footprint than 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

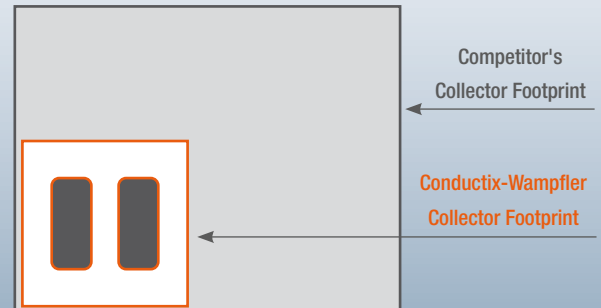
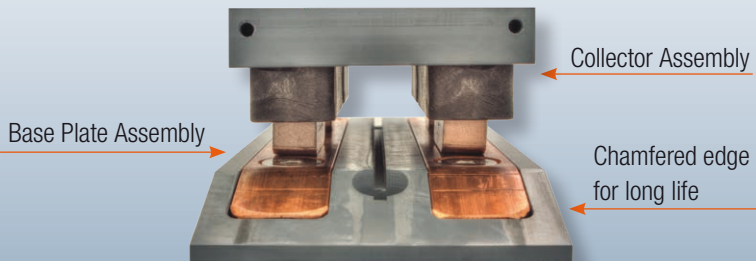
Compact Footprint – Up to 75% smaller collector, up to 66% smaller base plate.

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



Nano⁺

The **Nano⁺** is the evolution of the original Nano model, offering an off-the-shelf, cost-effective solution at 25amp, 50amp, and 75amp configurations. Nano⁺ is built on the same industry-first zero maintenance chamfered edge base and combines that with the patent-pending shunt technology found in the Enduro⁺ that has tested for over 1 million worry-free cycles.

Features

Off The Shelf Configuration – 5amp-25amp, 50amp, 75amp.

Compact Footprint – Allows for ultimate design flexibility.

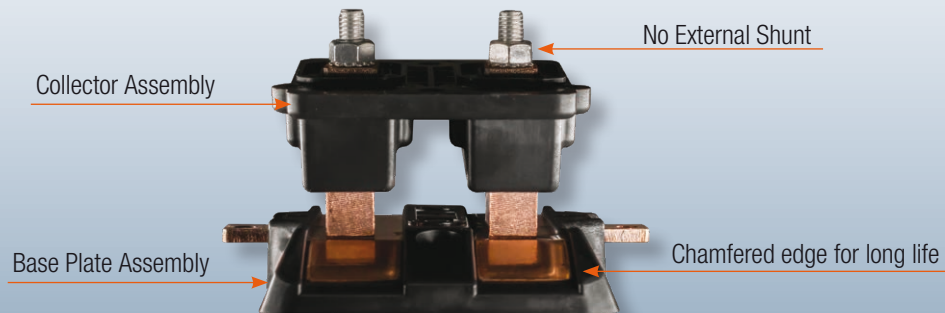
Increased Misalignment Tolerances – For improved contact connection.

High Charging Rate – Minimizing wasted charging downtime.

No External Shunt – Increased ease of Installation with simplified lug connections

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

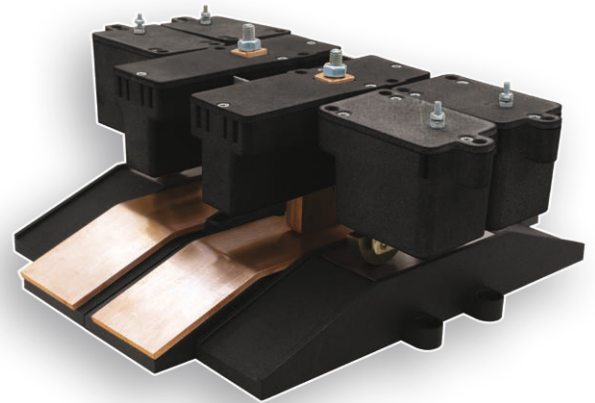
Durability – Shunt tested to 1 million worry-free cycles (Nano⁺ base over 2 million cycles).



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 debris' negative impact. 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.

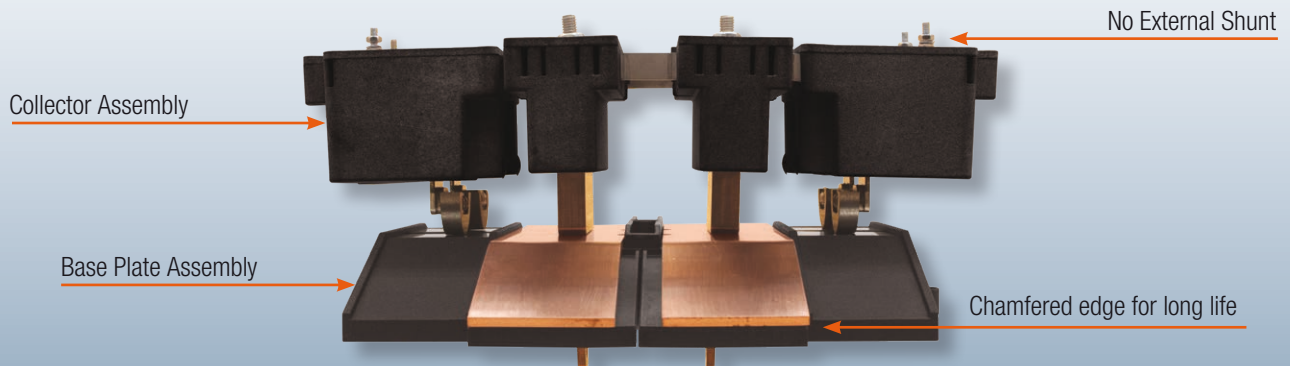
High Charging Rate - Minimizing wasted charging downtime.

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.us

For more information on Charging Contacts please contact us.

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