

## Small Profile Massive Upgrade

We challenged the Conductix-Wampfler engineering team to take all the advancements we launched with Enduro+ and scale it all into our compact charging contact solution, ...**challenge accepted!**

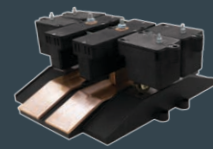
Nano+ pushes technology advancements for charging solutions to the edge with this off-the-shelf, extremely compact design, rated for over 1 million worry-free cycles. Our engineers made small even smaller by including our patent-pending internal shunt design that saves space and reduces fatigue on wire leads. The best part, we were able to add all these advancements at a reduced cost!

### Specifications

Test Cycles	>1,000,000
UL Compliance	UL 583 recognized component
Pilot Contacts	No
Voltage	Up to 60 VDC/ 25 VAC
Ampacities	5A-25A, 50A, 75A
Position Tolerance	X: $\pm 5$ mm, Y: $\pm 28$ mm, (Z axis) depression: 1mm with 4mm of travel
Shunt	External
Mount	Floor, Wall, Side, Bottom
Market Applications	Manufacturing Warehouse and Distribution AGV's AGC's AMR's, Service Robots Shuttles Amusement Park Rides



# Charging Contacts Comparison Guide



	<b>NANO</b>	<b>NANO<sup>+</sup></b>	<b>ENDURO<sup>+</sup></b>
Test Cycles	Up to 100,000	>1,000,000	>1,000,000
UL Compliance	UL 2237-2	UL 583 recognized component	UL 583 recognized component
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	Manufacturing Warehouse and Distribution AGV's AGC's AMR's, Service Robots Shuttles Amusement Park Rides	Manufacturing Warehouse and Distribution AGV's AGC's AMR's, Service Robots Shuttles Amusement Park Rides