

## OPTIMIZE ELECTRICAL POWER CONNECTIONS WITH NVENT ELECTRICAL SOLUTIONS



We deliver low voltage power distribution\* solutions that reduce total installed cost and increase design flexibility by providing a comprehensive range of innovative and reliable products through global end user application expertise and intimacy.

\* From 63 Amps to 6000 Amps

### NVENT ERIFLEX SOLUTIONS PROVIDE:

E-mobility is a continuously evolving field and EV manufacturers are expected to balance ever-increasing power requirements with moderate cost expectations. At nVent, we can leverage the expertise we have developed thanks to an extensive and comprehensive product range that brings together reliability and safety, by leveraging our ready-to-use solutions that reduce cost and space.

At nVent ERIFLEX, we provide technical expertise and innovative solutions that will help large OEMs or innovative start-ups be more efficient and greener while accelerating the adoption of EV technology (e.g reduced copper content vs bulky cables).



### OUR PRODUCTS ARE SUITABLE FOR YOUR NEEDS

nVent Electrical Solutions provide you with:

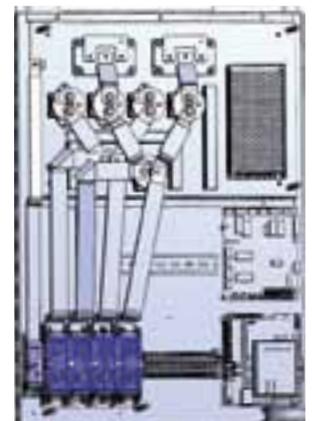
#### COST, SPACE AND TIME REDUCTION

The nVent ERIFLEX solution addresses the main design constraints in the e-mobility charger market by offering compact, ready to install conductor solutions. We save space within the cabinet while reducing assembly labor time. Our conductor solutions are innovative, off-the-shelf or customizable and are fully compliant with all applicable Standards.



#### CREATE YOUR OWN DESIGN

nVent ERIFLEX engineering team will help you optimize your cabinets power connections, such as nVent ERIFLEX Flexibar Advanced inside your cabinet therefore reduce assembly time and facilitate visual inspection.



**INNOVATIVE AND SAFER SOLUTIONS  
TO PROTECT YOUR INFRASTRUCTURE**

The latest innovative features in insulation Advanced Technology include:

- Low smoke
- Halogen-free
- Flame retardant
- Insulation working temperature up to +115°C (239° F)

Our conductors and distribution and power blocks are made of tin plated copper which provides higher corrosion resistance.



**RELIABLE SOLUTION**

nVent ERIFLEX provides reliable and safer electrical low voltage power distribution solutions that protects your charging infrastructure in compliance with the major international standards such as IEC 61851-23.



**DISCOVER A PART OF OUR COMPREHENSIVE PORTFOLIO**

Products	Reference
 <ul style="list-style-type: none"> <li>• Compact, yet high surge rated pluggable design, using minimum DIN rail width</li> <li>• External back-up fuse is not required up to 315 A (IEC only)</li> <li>• Retaining clip ensures enhanced vibration and shock resistance performance</li> <li>• Red/Green status indication and change-over contacts standard for remote monitoring</li> </ul>	DT130030R, DT130031R, DT130040R, DT1M27530R, DT1M27531R, DT1M27540R, DT230030R, DT130031R, DT230040R
 <ul style="list-style-type: none"> <li>• Tinned copper or aluminum block allows for copper or aluminum conductor direct connections, or using ferrule</li> <li>• Design allows for visual inspection of conductor and confirmation of connection</li> <li>• Modular snap-together blocks for building multi-pole power blocks</li> <li>• 95% fill ratio</li> </ul>	Blocks Advanced
 <ul style="list-style-type: none"> <li>• Suitable for all main molded case circuit breakers</li> <li>• Resistant to vibration, improving reliability and performance</li> <li>• Insulated by high-resistance, halogen free, flame retardant, low smoke material and high temperature</li> <li>• Quick and easy installation</li> <li>• Tinned copper allows for copper or aluminum conductor connections</li> </ul>	IBSB Advanced
 <ul style="list-style-type: none"> <li>• Thin layers of tinned electrolytic copper formed into a stack</li> <li>• Insulated by high-resistance, halogen-free, flame retardant and low smoke material with less than 20% contact with conductor for high flexibility</li> <li>• Improving assembly flexibility, shortening connections, and decreasing footprint</li> <li>• No lugs needed, reducing installation time and improving resistance to vibration</li> <li>• Weight savings and material savings compared to wire alternatives</li> <li>• Tinned copper allows for copper or aluminum conductor connections</li> </ul>	Flexibar Advanced

Contact your sales representative for a customizable solution.



[nVent.com](http://nVent.com)

Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER**