

## **PLUG: True greatness is shown in compact dimensions.**

**The cable connection system established in the rail sector is also meeting with growing acceptance in industry. The VEM Group of companies equips large engines with the space-saving and cost-effective plug system.**

The VEM Group of companies develops energy-efficient drive solutions, including large engines for the steelmaking industry. Turnkey condition, equipped with PLUG sockets and connectors from PFISTERER, enabling this mighty piece of equipment to deliver decisive benefits to the connection system: PLUG connections take up almost no room in what are often confined spaces in industrial plant environments.

That is not their only benefit when compared to conventional motor terminal boxes. Consistently applied, the PLUG connection system helps to assure compliance with system limits: Since it can be plugged in dry, there is no longer any need to open up items of equipment and plant during the connection process. Thanks to the failsafe encodable connector, it is quick and safe to replace components. This means that PLUG is able to reduce labour time and long-term costs in an efficient manner.

### **PLUG connections: efficient and safe**

- Pluggable electrical feed-through connectors
- Rated voltages 4 KVAC / 6.6 KVAC
- Nominal currents 400 A/600 A/800 A/1250 A
- Cable cross sections 25 - 240 mm<sup>2</sup>

### **Advantages:**

- Fast, cost-effective and safe installation/replacement of motors, transformers and items of equipment and plant.
- Significantly less weight than conventional connections
- Compact dimensions
- High power density
- Encoding of connectors and device-side connection parts



# THE POWER CONNECTION

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(socket) reliably prevents wrong polarity

- Scope for cost-reducing pre-packaging or on-site assembly.
- Reduction in life cycle costs
- Defined system limits of modules for plant manufacturer - producer and - operator
- High contact reliability thanks to defined line contact and external spring-loading
- Vibration-tested and shock-tested acc. to IEC 68-2-6/27
- Certified to NF F 16 101
- Housing ingress protection (seal integrity): maximum protection class IP 68 to EN 60529 (DIN 0470)
- Body material: Flame-resistant acc. to UL94V-0, PBT 20% GF halogen-free, UV-resistant / and aluminium.
- Various connector sizes to cover a broad power spectrum
- Straight and angled versions
- Angled versions with metallic sleeve (e.g. stone chip protection)

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