



TENEO
CONNECTORS AND COMPONENTS

TRANSPORT TECHNOLOGY

connectors, switches and cable harnesses
resistant to unfavourable weather effects
and strong mechanical stress

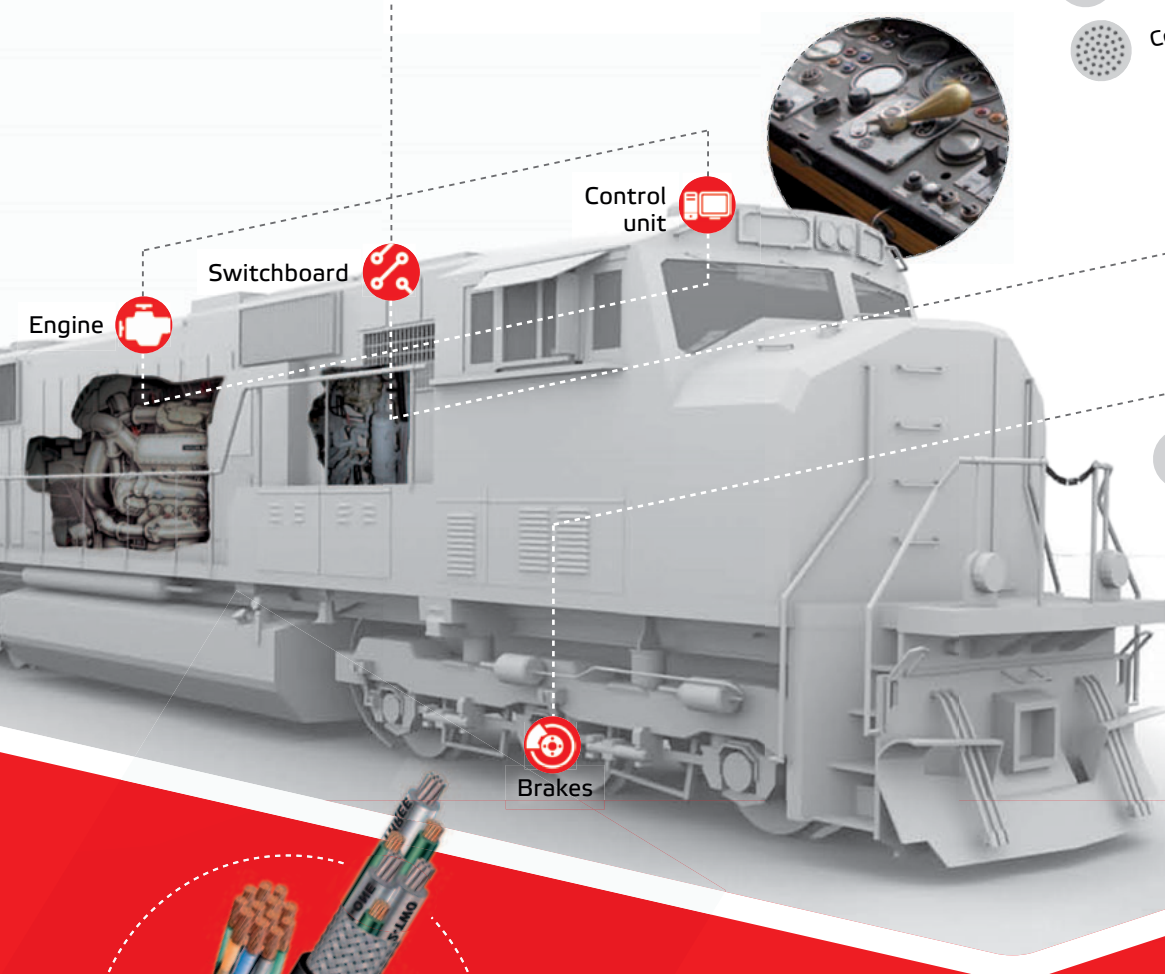


TRANSPORT TECHNOLOGY

connectors, switches and cable harnesses

resistant to unfavourable weather effects
and strong mechanical stress

power, auxiliary and control design
several hundreds of contact layout variants
resistant metal case suitable even in hermetic installations



- Power: 600 V / 250–1048 A
- Auxiliary: 240–600 V / 25–250 A
- Control: 240–600 V / 1–30 A

- Power: 600 V / 250–600 A
- Auxiliary: 240–600 V / 25–250 A
- Control: 240–600 V / 1–25 A



connectors

Cadillac[®] CN

We are honoured to have the opportunity to represent top quality products made by Clements National located in Chicago. The CN series made by Clements National was designed for special requirements of passenger and cargo railway transport. The CN series allows a broad range of variants thanks to flexible configuration of isolators and a rich range of build-up dimensions. The quality and resistance of the Clements National connectors have been appreciated by a number of companies in the US as well as in Europe.

- energizing and control of aggregates
- part of electrical switchboards
- instrument panel wiring



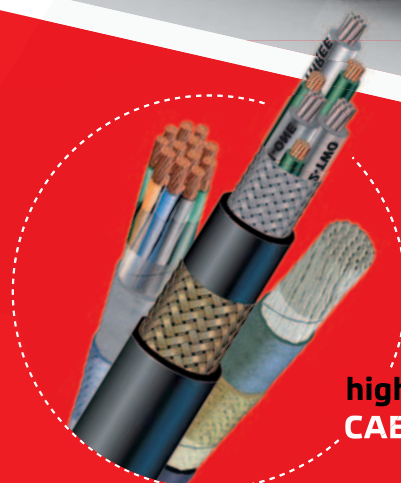
connectors

SR SERIES

Resistance to dust, grease, impacts and overload constitutes the basics of the SR series connectors that fulfil the most demanding requirements for specific installations in railway transport.

Numerous variants of contact layouts and structure of company's own materials developed in laboratory facilitate the use of the SR series wherever stable power and control wiring is needed. Connectors thus are suitable for instance as part of electrical switchboards of locomotives, to wire control of hydraulic brakes and connect electronic panel instruments that are sensitive to stable transmission of instructions.

- energizing and control of aggregates
- part of electrical switchboards
- brake systems control
- panel instruments wiring



high quality
CABLE HARNESSES



suitable in
**extreme
temperatures**



suitable in
**hermetic
installations**



resistant to
**strong
vibrations**



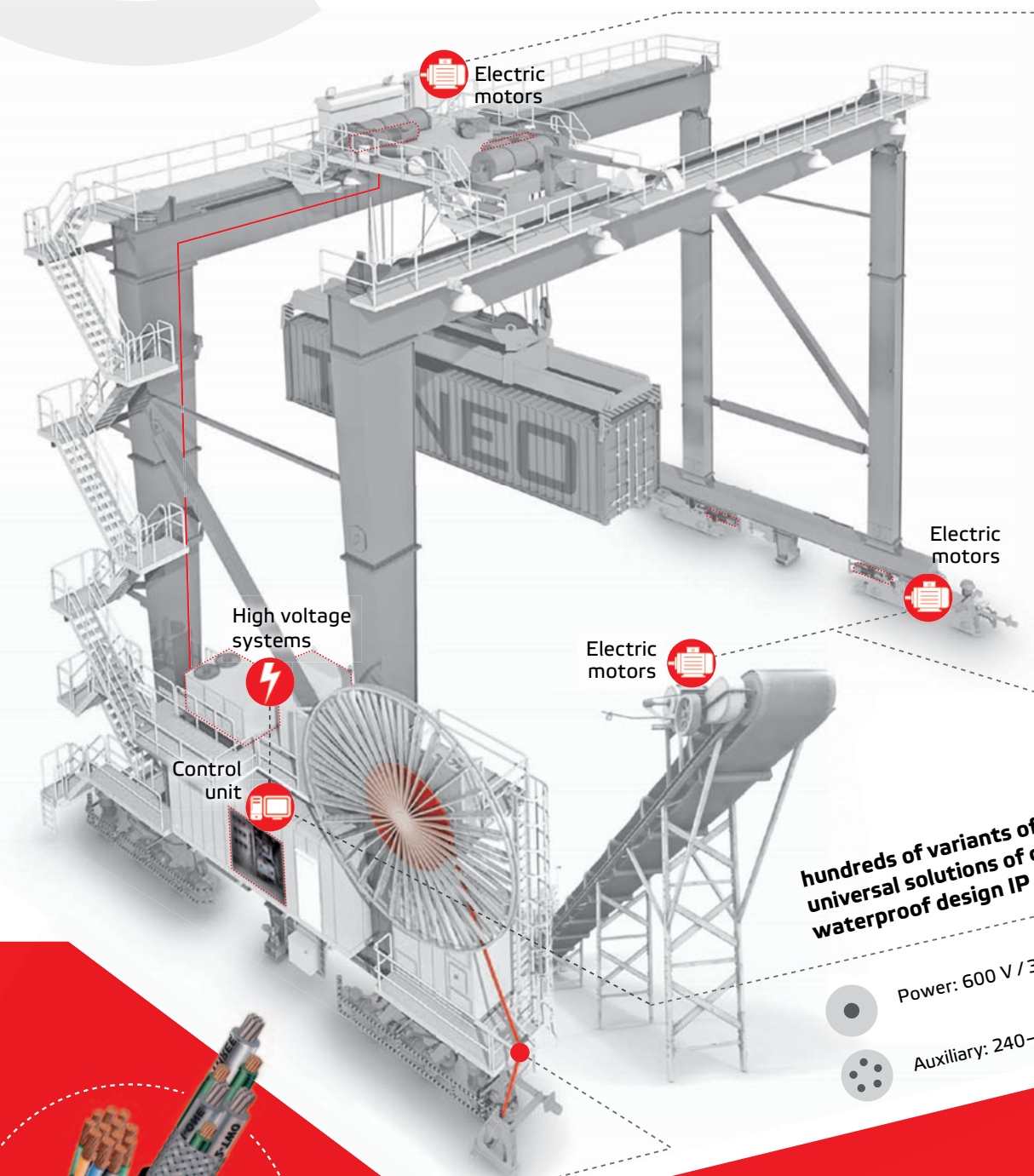
resistant to
**mechanical
impacts**



resistant to
**sea
water**

connectors, switches and cable harnesses

resistant to unfavourable weather effects
and strong mechanical stress



waterproof design conforming to IP 68
robust and highly resistant structure
suitable in extreme weather conditions

Power: 1 000 V / 1 135–1 300 A

hundreds of variants of finished system designs
universal solutions of control signal transmissions
waterproof design IP 68

Power: 600 V / 325–1 048 A

Auxiliary: 240–600 V / 30–325 A

Control: 240–600 V / 9–30 A

high quality
CABLE HARNESSES



connectors TNR-POWER

We designed this series and made it to be able to resist extreme loads in the most demanding weather conditions where temperatures range between -40 °C and +125 °C. Due to the unique structure, they feature high mechanical resistance which makes them suitable even in environments with permanent effect of seawater. The series has been certified with the highest degree of protection IP68 and represents the top in the segment of power connectors.

We recommend the TNR-POWER connectors wherever high voltage (up to 1 000 V) and big currents up to 1 135 A have to be transmitted (in impacts up to 1 300 A).

They find application in harbour, portal and container cranes as resistant connection of power heavy-current cable and powerful appliances.

- electrical service lines to power electric motors
- energizing auxiliary electrical appliances



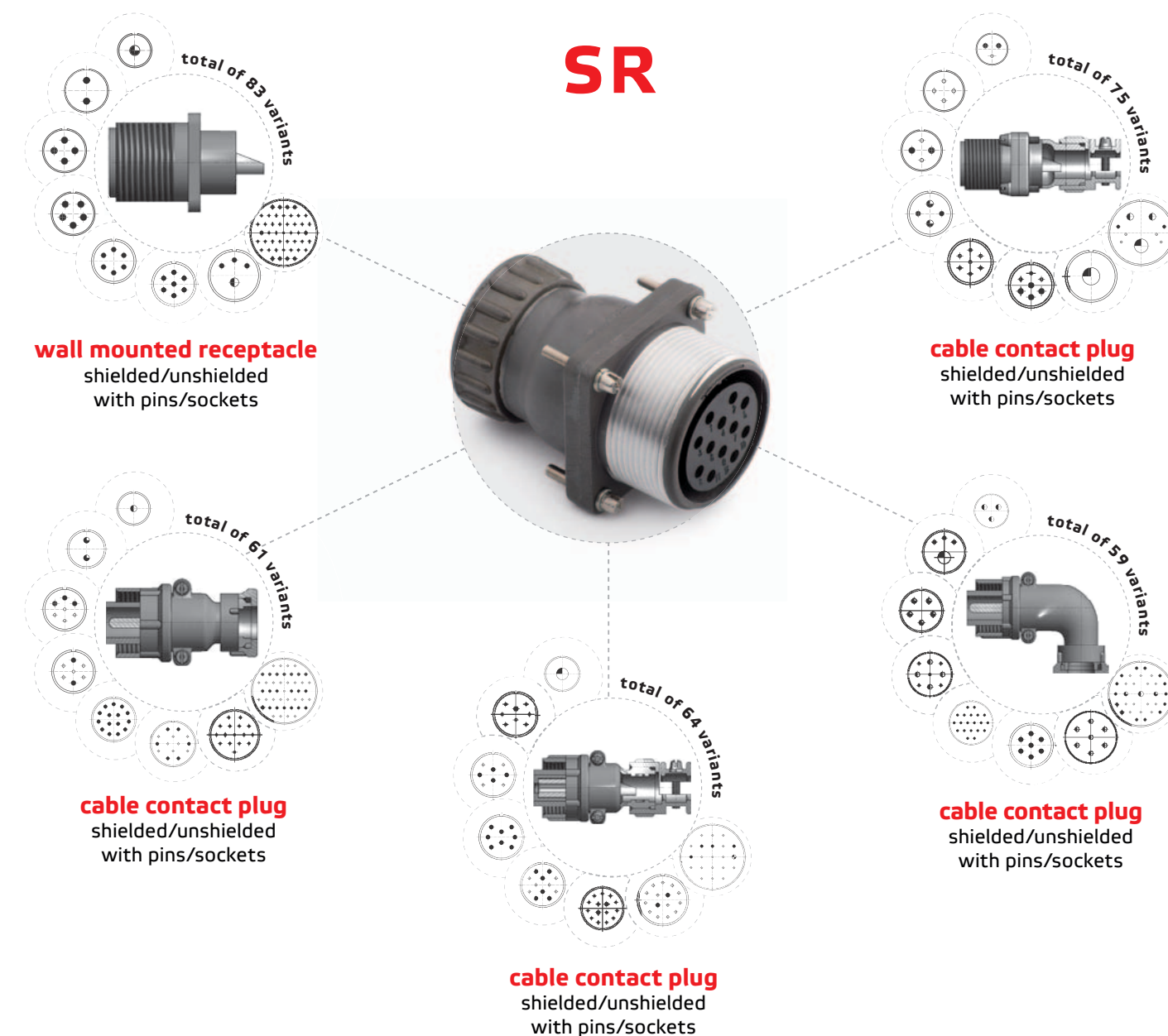
connectors Cadillac[®] CN

We are honoured to have the opportunity to represent top quality products of Clement National located in Chicago. The CN series made by Clements National was designed for special requirements of passenger and cargo railway transport. The CN series allows a broad range of variants thanks to flexible configuration of isolators and a rich range of build-up dimensions. The quality and resistance of the Clements National connectors have been appreciated by a number of companies in the US and also in Europe.

- control units
- electrical switchboards
- auxiliary and control systems

universal design of connectors suitable in most types of transport technology
complex solution of power, auxiliary and control systems
robust solution resistant to external effects
individual tailor-made project
professional on-site mounting

EXAMPLES OF VARIABILITY AND VERSATILITY OF DESIGN



up to **1000 A**
current load

Our connectors cover broad range of applications
from 1 mA up to 1 000 A.

up to **1300 A**
impulse current load

We have designed and tested selected connectors
to short-term current load of up to 1 300 A.

up to **1000 V**
operating voltage

Selected connectors resist extreme voltages up to 1 000 V
necessary for stable powering of heavy current aggregates.

up to **96**
contacts in connector

We can make all our connectors upon customer's request
with almost unlimited flexibility of inner layout.

● ● ● **TNR-POWER** ● ● ●
colour variants
for easy distinction



ISO 9001:2009

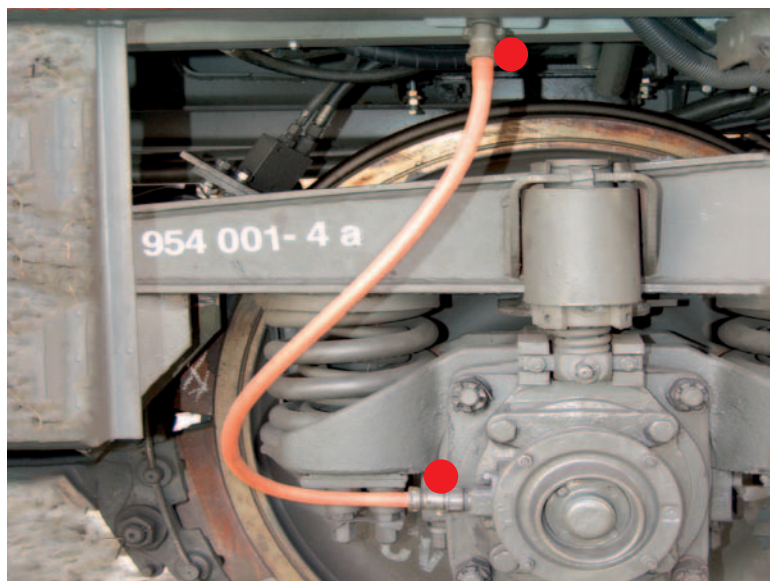
ISO 14001:2005

Top Rating® 2014

any harbour portal crane electrical systems – TNR-POWER, Cadillac CN



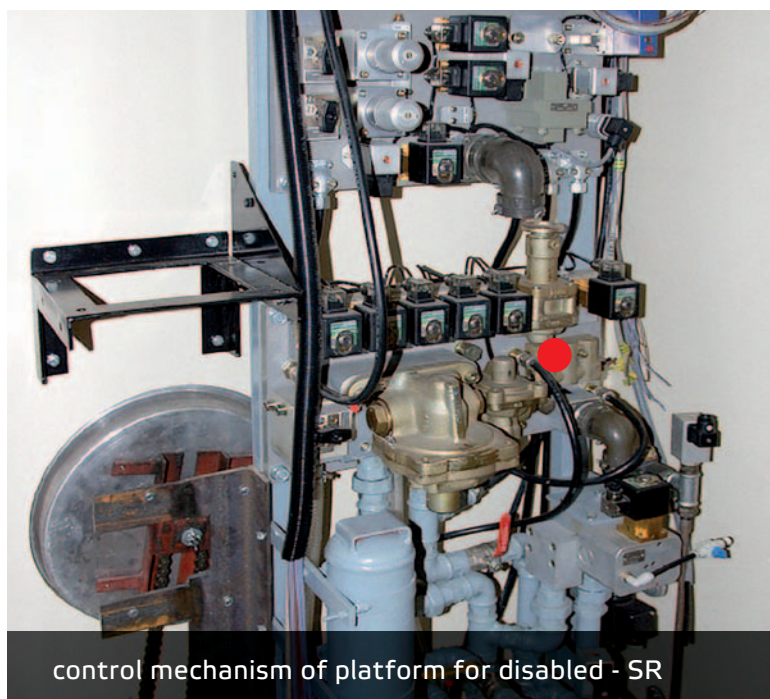
vertical harbour cranes – TNR-POWER, Cadillac CN



slip resistant check – SR



control and voltage systems in mine conveyors –
TNR-POWER, Cadillac CN



control mechanism of platform for disabled - SR