

SOCKETS, PLUGS AND CONNECTORS FOR DATA CENTERS

16A TO 630A · IP67 · CONTINUOUS 24/7 OPERATION

Designed for Tier III and IV Data Centers and Artificial Intelligence infrastructure.

Completely waterproof
IP67

DATA BLOCK LINE

CONTINUOUS POWER FOR THOSE WHO CAN'T STOP.

STRAHL
A ENERGIA QUE CONSTRÓI
40 Anos

SISTEMA DE GESTÃO QUALIDADE TÜVRheinland NBR ISO 9001
ISO 9001

DESDE 1986

INDÚSTRIA 100% BRASILEIRA

DESIGNED FOR DATA CENTERS.
BUILT TO NEVER STOP.

Cloud and Artificial Intelligence data centers run at full load, 24 hours a day, 7 days a week. Every electrical connection is a critical point: a contact that overheats can turn into downtime, and downtime is expensive. STRAHL created the DATA BLOCK Line for this environment: sockets, plugs and connectors from 16A to 630A. Their silver-plated brass contacts prevent overheating, and with IP67 protection the Line withstands water and dust, giving your operation the reliability it demands.





UNDERSTAND THE UPTIME INSTITUTE TIER III CLASSIFICATION

YOUR DATA SECURITY STARTS WITH POWER

A Tier III data center is concurrently maintainable: any component can be serviced without shutting down operations, with N+1 redundancy and more than one power path. The DATA BLOCK Line was designed for this standard: fast, safe connection for swapping and switching circuits with no makeshift solutions.

99.982%	N+1	≤ 1.6 h
AVAILABILITY	REDUNDANCY	OF DOWNTIME PER YEAR

source: https://uptimeinstitute.com/

DATA BLOCK ADVANTAGES

IP67 · Fully waterproof

Fully sealed against dust and temporary immersion. Protects against cooling leaks, condensation and washdown.

Silver-plated contacts

Silver is the most electrically conductive metal: lower contact resistance, less heat and longer service life.

Runs cool, even 24h × 7

Low temperature rise in continuous operation. The compression ring keeps the pin-to-sleeve contact tight and cool.

Stainless steel screws

Corrosion-free and keep terminals tight over the years, preventing poor contact and hot spots.

Secure, keyed connection

Voltage-specific clock-hour keying per NBR IEC 60309: equipment cannot be plugged into the wrong circuit.

100% Brazilian ISO 9001

Made in Brazil, ready stock, technical support straight from the factory and custom special projects.

APPLICATIONS

Tier III and IV Data Centers · AI and GPU Rooms · Colocation · PDUs and Busways · Generators and UPS · Electrical and Battery Rooms Modular Data Centers (Edge)

STANDARDS NBR IEC 60309 · CEE 17 · VDE 0623 · IP67

DATA BLOCK 16A TO 250A



PLUGS

With claw-type cable gland. Firm engagement and IP67 sealing for powering racks and PDUs. Plugs from 63A upward feature a pilot contact.



CONNECTORS

Safe extensions and interconnections between circuits, with claw-type cable gland and IP67 sealing.

MINING BLOCK 300A



PLUGS

With claw-type cable gland. Firm engagement and IP67 sealing for powering racks and PDUs. Fitted with a pilot contact.



CONNECTORS

Safe extensions and interconnections between circuits, with claw-type cable gland and IP67 sealing.

TECHNICAL HIGHLIGHTS



Silver plating
Contact pins and sleeves



Compression ring
Constant pressure between pin and sleeve



Stainless steel screws
Firm, corrosion-free fastening.



Claw-type cable gland
Cable retention with IP67 sealing

HIGH CURRENT 400A and 630A

STANDARDS IEC 309-01 • EN 60309-01 • DIN VDE 0623



PLUGS

2 Integrated Pilot Contacts. Rugged Aluminum Housing. IP67 Protection Rating.



CONNECTORS

Safe extensions and interconnections between circuits, with claw-type cable gland and IP67 sealing.

TECHNICAL SPECIFICATIONS

FEATURE	DATA BLOCK LINE		
Rated current	16A to 630A	**Number of poles**	2P+E • 3P+E • 3P+N+E
Rated voltage 16A to 300A	Up to 690V	**Rated voltage 400A and 630A**	Up to 1000V
Protection rating	IP67 · waterproof and dustproof	**Screws**	Stainless steel
Contacts	Silver-plated brass	**Standards**	NBR IEC 60309 · CEE 17 · VDE 0623
Contact sleeves (16A to 300A)	With compression ring	**Operating duty**	Continuous 24h × 7

DISCOVER THE STRAHL ULTRA-RESISTANT LINE

STRAHL CONECTA **Watch the full video**

The Mining Block® Ultra-Resistant Line is STRAHL's series of industrial sockets and plugs with mechanical interlock and electrical protection, made from high-performance engineering polymers. It is suited to aggressive environments, where ordinary thermoplastics crack, dry out or suffer chemical attack.

An exclusive STRAHL development, it is the only socket with two protection windows in a single body plus a mechanical interlock. The interlock prevents connecting or disconnecting the plug while the socket is energized, protecting operator and equipment during switching and meeting NR10 safety requirements.

LED indicators show and confirm that the following stages have been activated:

Red: Line voltage present. **Yellow:** Protections on.
Green: Socket on (plug energized). When connected, the plug locks automatically thanks to the mechanical interlock.



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DATA BLOCK LINE

CONTINUOUS POWER FOR THOSE WHO CAN'T STOP.

Specify the DATA BLOCK Line in your data center project.

Representative / Distributor

Explore the Complete STRAHL Product Line

STRAHL
A ENERGIA QUE CONSTRÓI
PROCESSES CERTIFIED TO NBR ISO 9001

40 Anos

SISTEMA DE GESTÃO TÜVRheinland Brasil NBR ISO 9001 QUALIDADE

INDÚSTRIA 100% BRASILEIRA

+55 11 2818-3838 +55 11 5026-2000 +55 11 5039-3999 vendas@strahl.com www.strahl.com lojastrahl.com
Av. Cel. Sezefredo Fagundes, 4600 ZIP: 02306-004 - São Paulo - SP - Brazil