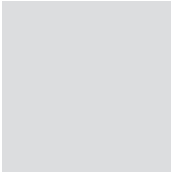# LÜTZE News
# Winter 24/25

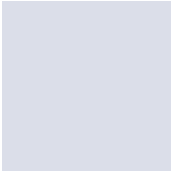LÜTZE

SYSTEMATIC TECHNOLOGY

# Efficiency in Automation

Over 65 Years of Tradition in Automation – With countless pioneering achievements and patents, the international LÜTZE Group is one of the leading companies in the automation industry.

LÜTZE produces and supplies highly efficient electronic and electrical components and system solutions for many industries. The comprehensive and well-coordinated product range creates valuable synergies for the user. The offering includes highly flexible cables and custom cable assemblies, the energy-efficient *Air*STREAM wiring system for control cabinets, and intelligent Industry 4.0 solutions in the fields of interface technology, power monitoring, power supplies, and Ethernet infrastructure.

## Cable Solutions
Reliable and highly flexible cables with UL approvals for the export-oriented machinery industry.

## Connectivity Solutions
Plug & Play for industrial Ethernet, cable assemblies for servo drive systems, and EMC technology.

## Cabinet Solutions
The complete system for thermal optimization of control cabinets with significant energy-saving potential.
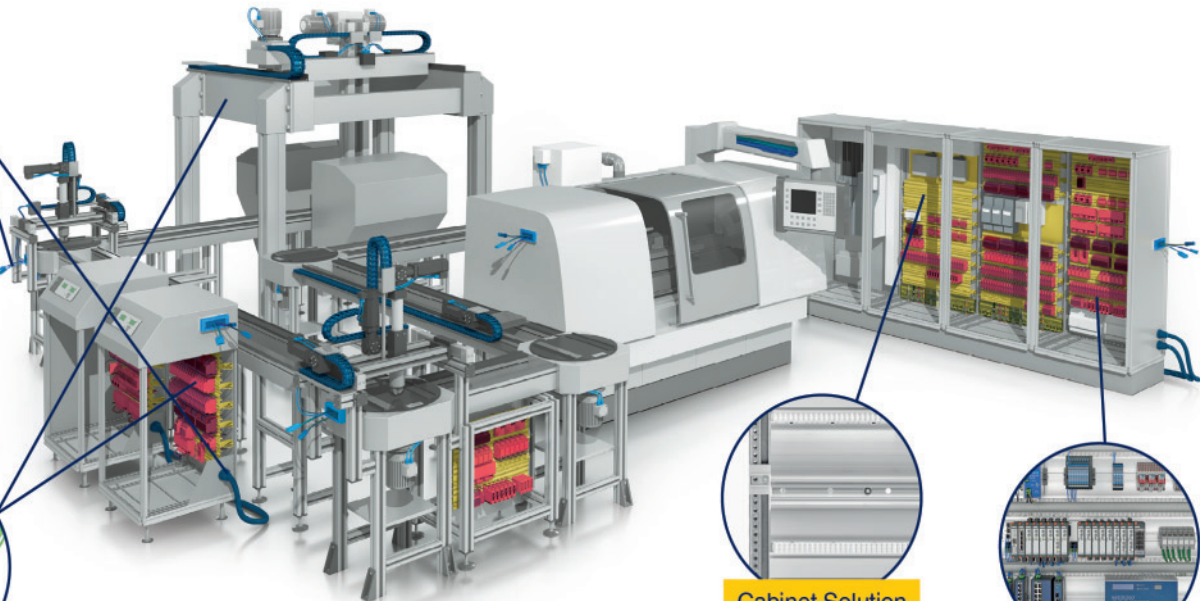
## Control Solutions
Intelligent power monitoring and supply, universal interface technology, and flexible enclosure systems.

**Cable Solution**

**Connectivity Solution**

**Cabinet Solution**

**Control Solution**

# LÜTZE Group Acquired by Amphenol Corporation

The automation specialist Friedrich Lütze GmbH, the rail technology company Lütze Transportation GmbH, and all other companies of the international LÜTZE Group in Europe and China, were acquired by the U.S.-based Amphenol Corporation on October 1, 2024. The members of the LÜTZE Group in the USA, Lutze Inc. and Data Guide Cable Corporation, were successfully acquired in July 2024.

There will be no changes for customers and business partners due to the acquisition. The usual flexibility and customer proximity remain unchanged. The current contact persons, as well as the familiar company and production locations, including the headquarters in Weinstadt, will remain the same.

Further information and a FAQ section answering the most important questions can be found on the **LÜTZE corporate website**.

# Industries

**Your partner for innovative solutions in various industries.**
LÜTZE stands for excellence and innovation in the areas of Cable, Connectivity, Cabinet, and Control. With a broad product range that is perfectly coordinated, we serve many industries and offer tailored solutions for specific requirements.

**LÜTZE Industry Expertise**

- Waste and Recycling Industry
- Intralogistics, Lifting, and Conveying Technology
- Food Industry
- Plastics Industry
- Metal Industry

- Automotive and Vehicle Manufacturing
- Semiconductor Industry
- Medical Technology
- Water and Wastewater Industry
- Event Industry

**Great Expertise and Experience**
Our profound expertise, and many years of experience make us the ideal partner in your industry. Our products and solutions are developed and manufactured in-house, ensuring the highest quality and flexibility.

# LCOS - LUNA



**The intelligent control system.**

LCOS-LUNA is a compact backplane with an integrated data and power bus. By simply plugging in function modules, such as LCOS power monitoring modules, compact applications can be set up without accessories and without additional wiring. This saves time, money, and increases your competitiveness.
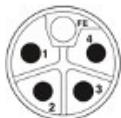Push-in terminals enable tool-free setup.

# LEPOS

**LEPOS – The Entry-Level Series**

The LEPOS power supplies are a cost-optimized series for standard applications. In addition to a 1-phase basic series, a 1-phase performance series is available for more complex requirements. For global applications, the 2-phase wide-range series is the optimal choice. The 3-phase devices offer full power without compromise. All four series cover a power range from 120W to 960W and, due to their excellent technical features such as PowerBoost, efficiency, and derating, they are suitable for most IP20 applications.

# M12 Power Connector



**M12 Power**

- Push-lock spring connection technology
- Cross-sections up to 2.5mm² (with ferrule)
- Variants in socket and plug, straight
- Codings: L, T, K, S
- Handle body material: Solid metal, nickel-plated
- Protection class: IP65
- Extended temperature range: -40°C to 85°C



M12 - L cod
63V DC / 16A

M12 - T cod
63V DC / 12A

M12 - K cod
690V AC/ 16A

M12 - S cod
690V AC/ 12A

# X-Coded Connectors



**X-Coded Connectors**

- Molded connection cable with X-codingSuitable for drag chains and torsion-proof (+-180°/m)
- Jacket material: PUR
- Conductor cross-section 4x2xAWG26
- Available as plug and socket, both straight and angled
- 360° shielding
- Transmission characteristics: CAT 6A
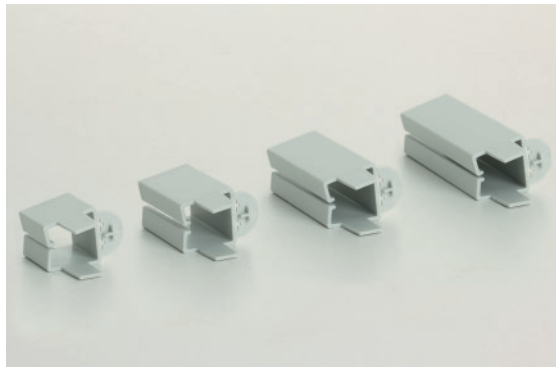- Data transmission rates 10 Gbit/s.

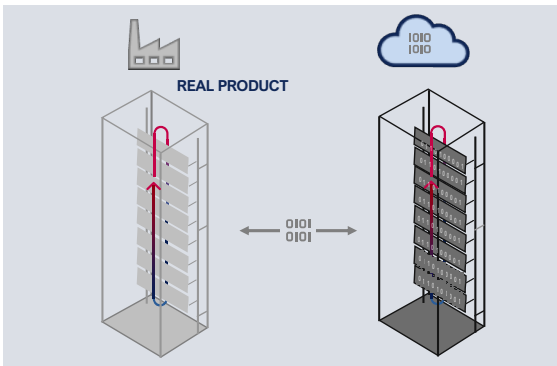# Support Insulation

**Easy installation and time savings.**

The new support insulations for the *Air*STREAM wiring system serve as edge protection for the supports and provide double contact protection. They are used with the SR032 support rail and offer great advantages during the independent setup of *Air*STREAM Compact frames, thanks to integrated mounting aids in the plastic insulation.

The insulations for the *Air*STREAM supports are available in lengths of 20, 30, 40, and 50 mm. A special notch allows for easy installation without measuring in a 10-mm grid. Double-sided Lugs facilitate the shifting of the sliding nut in the sliding nut channel. The supports are held in position by the new insulation, preventing slipping or falling during assembly.

The support insulations can also be used with the RG020 support rail.

# Overview of the Cabinet Digitization Strategy



REAL PRODUCT

**Overview of the Cabinet Digitization Strategy**

LÜTZE has long pursued a digitization strategy for smart solutions around the control cabinet. The latest solution is the new *Air*STREAM Configurator. The completely redesigned online tool enables fast and easy frame construction at the CAD level, including offer calculation. Users can independently configure their *Air*STREAM and *Air*STREAM Compact frames with the new configurator, and then load them into the CAD tool used to design the control cabinet.

Further solutions of the LÜTZE digitization strategy for control cabinets can be found on the following pages and at our booth at SPS 2024:
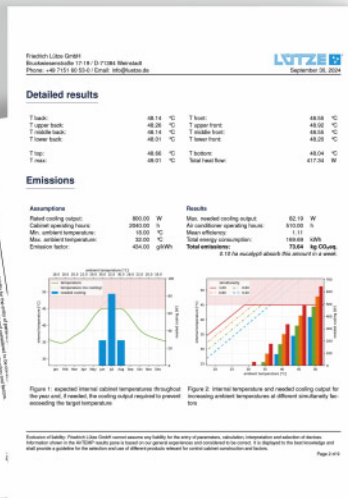
• *Air*TEMP 2.0 – Temperature Simulation for Proper Control Cabinet Climate Design
• *Air*TEMP Controller and *Air*TEMP Monitor – Condition Monitoring at the control cabinet level

# *Air***TEMP** 2.0

*Air***Temp** 2.0 – Control Cabinet Temperature Simulation with Adaptive Cooling Demand and Consumption Calculator

Given tight time constraints in control cabinet planning, and the need for detailed temperature calculations for each control cabinet according to DIN EN 61439, the latest update of *Air***TEMP** 2.0 offers a time-saving and practical solution. In addition, resource-efficient control cabinet planning is supported by the new adaptive cooling demand and consumption calculator.

https://airtemp.luetze.com

# Condition Monitoring at Control Cabinet Level

*Air***TEMP** Controller – Detailed condition monitoring of the control cabinet

Systems and production lines at the control cabinet level can be comprehensively monitored and optimized with the *Air***TEMP** Controller. To increase efficiency, several connected control cabinets are thermally monitored by a single unit.

Thanks to the cloud-based solution, operators can access their systems in various production facilities and adjust parameters as needed—anytime, anywhere! Live temperature data is available via *Air***TEMP** Monitor. Alerts are sent in the event of disturbances or overheating in the control cabinet. Reporting via email is also possible.



Article number 777200.0011

# LÜTZE Solutions

**Wide product portfolio and custom solutions.**

In addition to the innovations presented in this brochure, we also offer numerous customized solutions for your industry. Active and personal advice is a matter of course for us. Together with you, we develop your individual solution to offer you continuous added value.

Our industry teams and our technical staff are always at your disposal. Please contact us. The concrete implementation of your individual solutions will then take place within the respective product areas.

**LÜTZE**
**Industry Teams**


High-tech for the village dairy


LÜTZE Lights Up Rio


AirSTREAM on the Test Bench


Green balance sheet for building automation


AirSTREAM on the crest of the wave


Duct-free wiring at this chemical giant's sites, worldwide

# SkyBLUE

The Sustainability Initiative by LÜTZE

- Long-term success instead of short-term profit maximization through sustainable corporate and product policies

- Resource and energy-conscious production using durable and environmentally-friendly materials

- Strategies for conserving energy and resources through ecological and economic responsibility

LÜTZE

SYSTEMATIC TECHNOLOGY