

## COSEL Launches the CXLDA Series

DIN-Rail Power Supply Compliant with IEC 61010 for Industrial Applications

Toyama, Japan -April 2026- COSEL Co., Ltd. today announced the release of the CXLDA Series, the DIN-rail power supply family introduced under the COSELSYNC. brand. Designed for industrial environments requiring high reliability and safety, the CXLDA Series complies with IEC 61010, the international standard for electrical equipment used in measurement, control, and laboratory applications.

The initial product lineup includes models with output power ratings of 120 W, 240 W, and 480 W. COSEL is currently expanding the range of single-phase input models to cover additional power ratings, while three-phase input versions are also under development to meet broader industrial requirements.

### 1. Development Background

Rapid progress in digital transformation (DX) and the widespread adoption of smart-factory architectures have significantly increased the amount of measurement and control equipment installed inside power distribution and control panels. As these systems become more sophisticated, the long-established North American safety standard UL508 has been transitioning toward the more comprehensive measurement and control equipment standards UL61010-1 and UL61010-2-201.

This global shift has accelerated demand for DIN-rail power supplies that comply with the safety requirements for electrical equipment used in measurement, control, and laboratory environments. To address these evolving needs, the COSELSYNC. brand is introducing the CXLDA Series, designed to meet IEC61010-1 and certified to UL61010-1 / UL61010-2-201 and EN61010-1 / EN61010-2-201. These certifications ensure suitability for a wide range of industrial applications requiring enhanced safety, reliability, and regulatory conformity.

### 2. Product Features

#### (1) Safety Standards for Measurement, Control, and Laboratory Equipment

The CXLDA Series is engineered to satisfy both the general and particular safety requirements for electrical equipment used in measurement and control applications.

- General Requirements : Meet with IEC61010-1; certified to UL61010-1 and EN61010-1
- Control Equipment (Particular Requirements): Certified to UL61010-2-201 and EN61010-2-201

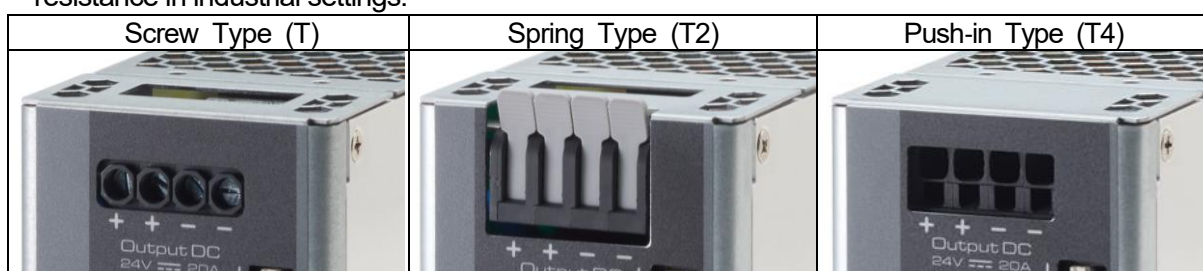
#### (2) Wide Operating Temperature Range

The power supply supports a broad ambient operating temperature range from  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ , enabling stable performance in harsh or thermally demanding environments.

Output current or power derating is required above  $+55^{\circ}\text{C}$ , allowing safe operation while maintaining long-term reliability.

#### (3) Multiple Input and Output Interfaces

To accommodate diverse installation preferences, the CXLDA Series offers three interface configurations, including the increasingly popular push-in terminal type widely requested for DIN-rail power supplies. These options improve wiring efficiency, reduce installation time, and enhance vibration resistance in industrial settings.



(4) Product Line-up

Model name	Output voltage	Output Wattage (Peak Output)	Case size: W×H×D	Weight
CXLDA120F	12V、24V、48V	120W (180W 3sec)	30×124×117mm	520g max
CXLDA240F	24V、48V	240W (360W 3sec)	48×124×117mm	760g max
CXLDA480F	24V、48V	480W (720W 3sec)	56×124×117mm	1kg max

3. Target Applications

- (1) Measuring and Analytical Equipment
- (2) Charging and Energy Storage Equipment
- (3) Welding Machines
- (4) Automated Payment Machine
- (5) Various Control Equipment
- (6) Other General Industrial Equipment

4. Release Schedule

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5. Product Images



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