

Insulated Fork Terminal SVS2-4 – Reliable Crimp Connector for Secure Electrical Connections

The **Insulated Fork Terminal SVS2-4** is a high-quality electrical crimp connector designed to deliver safe, durable, and efficient wire termination in a wide variety of electrical and electronic applications. Engineered for professional electricians, technicians, and industrial users, this insulated fork terminal ensures a strong mechanical hold and stable electrical conductivity while offering fast and convenient installation. Its practical fork-shaped design makes it an excellent choice for applications requiring frequent maintenance, inspection, or reconnection.

This terminal is compatible with **16–14 AWG (1.5–2.5 mm²)** stranded copper wires and is designed to fit **4 mm stud or screw terminals**, making it a versatile solution for many standard wiring systems. The SVS2-4 model is widely used in automotive wiring, control panels, power distribution boards, appliances, and general electrical installations.

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Terminal SVS2-4[/caption]

Insulated Fork

High-Conductivity Copper Construction

The conductive core of the SVS2-4 insulated fork terminal is manufactured from **high-purity copper**, ensuring low electrical resistance and efficient current flow. Copper is widely recognized for its excellent conductivity and long-term reliability, making it the preferred material for electrical connectors. To further enhance performance, the copper surface is **tin-plated**, which helps resist oxidation and corrosion while improving solderability and connection stability over time.

This combination of copper and tin plating allows the terminal to perform consistently even in environments exposed to humidity, vibration, or temperature changes.

Durable Insulated Sleeve for Safety

The SVS2-4 terminal features a **durable vinyl (PVC) insulation sleeve** that covers the crimp barrel, providing enhanced electrical safety and protection. The insulation helps prevent accidental contact with live conductors, reducing the risk of short circuits and electrical shock. It also adds strain relief at the wire entry point, minimizing stress on the conductor and extending the lifespan of the connection.

The **blue insulation color** allows for quick visual identification of the compatible wire size, improving efficiency during installation and maintenance work.

Fork-Shaped Design for Easy Installation

One of the key advantages of the insulated fork terminal SVS2-4 is its **open-ended fork design**. Unlike ring terminals, fork terminals allow the connector to be slipped under a screw or stud without fully removing the fastener. This feature significantly reduces installation time and simplifies servicing, especially in crowded electrical panels or control cabinets.

The fork shape also ensures a secure fit when the screw is tightened, maintaining consistent contact pressure for reliable electrical performance.

Strong and Reliable Crimp Connection

Designed specifically for crimp termination, the SVS2-4 insulated fork terminal forms a tight mechanical bond with the wire when installed using a proper crimping tool. A correct crimp

creates a gas-tight connection that resists loosening due to vibration, thermal cycling, or mechanical movement. This makes the terminal ideal for use in automotive systems, machinery, and industrial equipment where reliability is critical.

Wide Range of Applications

The insulated fork terminal SVS2-4 is suitable for numerous electrical and electronic applications, including:

- Automotive wiring and grounding connections
- Industrial control panels and switchgear
- Power distribution and terminal blocks
- Household appliances and HVAC systems
- Lighting installations and electrical cabinets
- DIY electronics and electrical repairs

Its versatility and ease of use make it a trusted component in both professional and residential environments.

Key Product Specifications

- Terminal type: Insulated fork (spade) terminal
- Model: SVS2-4
- Wire size compatibility: 16–14 AWG (1.5–2.5 mm²)
- Stud size: 4 mm
- Conductor material: Tin-plated copper
- Insulation material: Vinyl (PVC)
- Insulation color: Blue
- Connection method: Crimp termination

Why Choose the Insulated Fork Terminal SVS2-4?

Choosing the SVS2-4 insulated fork terminal means investing in safety, efficiency, and long-term performance. Its robust materials, secure crimp design, and convenient fork shape help reduce installation time while ensuring dependable electrical connections. Whether used in demanding industrial settings or everyday electrical projects, this terminal delivers consistent results you can rely on.