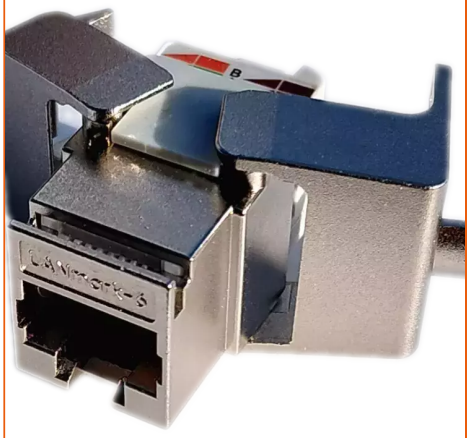
# LANmark-6 Snap-In Connector

**LANMARK-6 EVO 2.0 SNAP-IN CONNECTOR CATEGORY 6 SCREENED**




**Aginode Ref:** N420.686-01

- Category 6 shielded connector
- Full compliance with TIA and ISO Category 6 cabling standards
- Die-cast housing with 360° shielding offering excellent EMC performance
- Fast and easy termination without punch down tool
- Accepts solid and stranded wire from AWG26 to AWG22
- Re-installable
- Supports PoE applications (Type 1 and Type 2)
- Snap-In format convertible to keystone using optional adaptation clip
- Zero plastic packaging (pack of 24 connectors)

## Design

LANmark-6 EVO 2.0 is the second generation of Aginode's previous Category 6 EVO connector, manufactured and tested to the latest ISO/IEC 11801 and ANSI/TIA-568 standards and designed to meet or exceed the stringent quality and performance criteria needed to support all applications up to 250 MHz, including Gigabit Ethernet.
The LANmark-6 EVO 2.0 connector accepts both solid and stranded copper conductors, with wire sizes from AWG26 to AWG22, supporting all relevant cable types.
With its compact size, similar to the first generation of EVO connectors, the EVO 2.0 facilitates installation in shallow floor- and wall boxes.
A full metal die-cast housing offers the LANmark EVO 2.0 connector excellent protection against Electromagnetic Interferences.

## Applications

In conjunction with LANmark-6 shielded cable and cords, the LANmark-6 EVO 2.0 connector supports all applications specified up to 250 MHz including but not limited to:

- 10 BASE-T Ethernet
- 100 BASE-T Fast Ethernet

## STANDARDS

IEC 60603-7-5
IEEE 802.3af (PoE)
IEEE 802.3at (PoE+)

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- 1000 BASE-T Gigabit Ethernet
- PoE Type 1 and 2 (incl. IEC 60512-9-3 and IEC 60512-99-001)
- Future Class E applications

## Installation

The EVO 2.0 connector is a one-piece design, with a wire organiser as sole accessory, guaranteeing infallible management of the twisted pairs.
Simply closing the connector rear covers ensures fast and effortless IDC termination without the need for any tools.
The installation finishes with laying the cable drain wire in its place in the mass contact clip and fastening the rear around the strain relief with the cable tie supplied.

The EVO 2.0 connector, with its Snap-In format, is compatible with all LANmark Snap-In structural hardware, such as:

- LANmark Snap-In patch panels (fixed, sliding and angled)
- LANmark Zone Distribution Boxes of 6-port and 12-port
- LANmark Snap-In outlet modules (UK, US, European and German style)

The connector is supplied in a plastic-free packaging of 24.

## Performance and Guarantees

LANmark-6 EVO 2.0 Snap-In connector meets or exceeds the requirements for Category 6 / Class E as described in the above mentioned standards.
Installations with LANmark-6 cable and connectivity qualify for a Class E System Warranty for a period of 25 years, including parts, installation, Channel performance and application support. The Warranty can be obtained following the Aginode LANmark Warranty application process.
Traceability codes on connector and packaging ensure quality validation.

## Packaging

24 connectors in a cardboard box (25x25x3cm), supplied with 24 cable ties and installation instructions sheet.

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# LANmark-6 EVO 2.0 Snap-In Connector Category 6 Screened

## Characteristics

| | |
|---|---|
| **Construction characteristics** | |
| Screen | Yes |
| **Dimensional characteristics** | |
| Depth | 34.5 mm |
| Height | 22.1 mm |
| Width | 16.6 mm |
| **Usage characteristics** | |
| Category | Cat. 6 |
| Component function | Connector |
| Field of application | Indoor |
| Maximum operating temperature | 60 °C |
| Minimum operating temperature | -20 °C |
| Range | LANmark-6 |

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