# LANmark-6 Snap-In Connector

**LANMARK-6 EVO SNAP-IN CONNECTOR CATEGORY 6 UNSCREENED - NEW GENERATION**

**Aginode Ref:** N420.660-03

- Category 6 Snap-In connector
- Unshielded
- Accepts solid and stranded wire from AWG26 to AWG22
- Wiring according to colour code T568B or T568A
- Fast and easy termination without punch down tool
- Optional tool available for installation comfort
- Can be re-terminated multiple times
- Supports POE Plus applications (Type 1 and Type 2)
- An adapter can be added to fit the keystone format




## STANDARDS

ANSI/TIA 568.2-D
IEEE 802.3af (PoE)
IEEE 802.3at (PoE+)
ISO/IEC 11801

## Application

Aginode LANmark-6 Evo Snap-In connectors are manufactured and tested to the latest Category 6 specifications defined in the International and American cabling standards and are designed to meet or exceed the quality and performance criteria needed to support all applications up to 250 MHz.

- 10 BASE-T Ethernet
- 100 BASE-T Fast Ethernet
- 1000 BASE-T Gigabit Ethernet
- POE Plus (including IEC 60512-9-3 and IEC 60512-99-002)
- Future Class E applications

## Design

Aginode LANmark-6 Evo Snap-In connectors are designed to match with LANmark-6 cable and patch cords and to fit all LANmark structural hardware, such as:

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

The IDC contacts were conceived to accommodate both solid and stranded wire cables, going from AWG26 to AWG22.

## Performance

*All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Aginode is indicative only and shall not be binding on Aginode or be treated as constituting a representation on the part of Aginode.*

Aginode LANmark-6 Evo Snap-In connectors meet or exceed the requirements for Category 6 connecting hardware as described in ISO/IEC 11801, IEC 60603-7 and EIA/TIA 568.2-D.

# Installation

The wire organiser guarantees fast and easy termination of the LANmark-6 Evo Snap-In connector without the need for a punch-down tool. An optional comfort tool (N420.567) can be used to increase the ease of installation.

# Guarantees

The LANmark-6 Evo Snap-In performance is guaranteed to meet or exceed the requirements of the above mentioned standards.

Traceability codes on both connector and packaging ensure quality validation.

Installations with LANmark-6 cable and connectivity are qualified for a 25 year full system warranty, which includes Parts, Installation, Channel Performance and Application Support, as described in the Aginode Certified System Warranty.

## Mechanical and electrical characteristics

| | |
|---|---|
| Contact resistance: | max. 20 m Ohm |
| Input to output DC resistance: | max. 200 m Ohm |
| Insulation resistance: | min. 500 M Ohm |
| Voltage proof: | 1000 V DC or AC peak, contact to contact. |
| Mating cycles: | min. 750 |
| Insertion cycles: | min. 20 |

## Electrical performance

| Frequency MHz | Attenuation | NEXT pp | PSNEXT | FEXT pp | PSFEXT | RL |
|---|---|---|---|---|---|---|
| 1 | 0,1 | 94,0 | 90,0 | 83,1 | 80,1 | 30,0 |
| 4 | 0,1 | 82,0 | 78,0 | 71,1 | 68,1 | 30,0 |
| 10 | 0,1 | 74,0 | 70,0 | 63,1 | 60,1 | 30,0 |
| 16 | 0,1 | 69,9 | 65,9 | 59,0 | 56,0 | 30,0 |
| 20 | 0,1 | 68,0 | 64,0 | 57,1 | 54,1 | 30,0 |
| 31,25 | 0,1 | 64,1 | 60,1 | 53,2 | 50,2 | 30,0 |
| 62,5 | 0,2 | 58,1 | 54,1 | 47,2 | 44,2 | 28,1 |
| 100 | 0,2 | 54,0 | 50,0 | 43,1 | 40,1 | 24,0 |
| 125 | 0,2 | 52,1 | 48,1 | 41,2 | 38,2 | 22,1 |
| 155 | 0,2 | 50,2 | 46,2 | 39,3 | 36,3 | 20,2 |
| 175 | 0,3 | 49,1 | 45,1 | 38,2 | 35,2 | 19,1 |
| 200 | 0,3 | 48,0 | 44,0 | 37,1 | 34,1 | 18,0 |
| 250 | 0,3 | 46,0 | 42,0 | 35,1 | 32,1 | 16,0 |

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# LANmark-6 Evo Snap-In Connector Category 6 Unscreened - NEW GENERATION

## Characteristics

| | |
|---|---|
| **구조적 특성** | |
| 색상 | 담회색 |
| 스크린 | 없음 |
| **치수** | |
| Depth | 29 mm |
| Height | 22.9 mm |
| Width | 16.7 mm |
| **사용 특성** | |
| Category | Cat. 6 |
| Component function | Connector |
| Field of application | Indoor |
| 최대 운용 온도 | 60 °C |
| Minimum operating temperature | -20 °C |
| Range | LANmark-6 |

### Product related documents

Installation Instruction sheet LANmark-6 Unscreened Connector N420.660-03.pdf pdf — 732.74 KB 다운로드

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