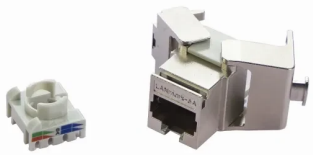
LANmark-6A Connector

LANMARK-6A EVO 2.0 SNAP-IN CONNECTOR CATEGORY 6A SCREENED (24 PCS/BOX)

Aginode Ref: N420.68A-01

- High speed Category 6A shielded connector
- Full compliance with TIA and ISO Category 6A cabling standards
- Superior headroom by use of new engine technology
- Supports PoE++ Type 4 applications delivering up to 90W/71W (IEEE 802.3bt)
- Die-cast housing with 360° shielding offering excellent EMC and Alien Crosstalk performance
- Toolless termination enabling fast and easy installation
- Accepts solid and stranded wire from AWG26 to AWG22
- Re-installable
- 3rd party certification for Channel
- Snap-In format convertible to keystone using optional adaptation clip
- Zero plastic packaging - pack of 24 connectors



STANDARDS

EN 50173-1
IEC 60603-7-51
IEEE 802.3af (PoE)
IEEE 802.3bt (PoE++)
IEEE 802.3at (PoE+)
ANSI/TIA 568.2-D
ISO/IEC 11801

Design

LANmark-6A EVO 2.0 is the second generation of Aginode's previous Category 6A 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 500 MHz, including 10 Gigabit Ethernet.
The LANmark-6A 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.
1.27 micron (50 microinch) gold plated front contacts offer superior mechanical durability, ensuring at least 2500 plug insertion cycles and supporting Power over Ethernet transmission up to 90W without degrading effect.
A full metal die-cast housing offers the LANmark EVO 2.0 connector immunity against Alien Crosstalk and Electromagnetic Interferences.

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.

Applications

In conjunction with LANmark-6A cable and patch cords, the LANmark EVO 2.0 connector supports all applications specified up to 500 MHz including but not limited to:

- 10 BASE-T Ethernet
- 100 BASE-T Fast Ethernet
- 1000 BASE-T Gigabit Ethernet
- 2.5GBase-T 2.5 Gigabit Ethernet
- 5GBase-T 5 Gigabit Ethernet
- 10G BASE-T 10 Gigabit Ethernet IEEE 802.3
- PoE++ Type 4 (IEEE 802.3bt) including IEC 60512-9-3 (test 9c) and IEC 60512-99-002 (test 99b)
- Future Cat 6A and Class EA 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 24 port patch panels (fixed, sliding and angled) - not compatible with LANmark 48 port 1U panel
- 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

LANmark EVO 2.0 connector meets or exceeds the requirements for Category 6A / Class EA as described in ISO/IEC 11801, IEC 60603-7-51 and ANSI/TIA 568.2-D.
In conjunction with LANmark-6A cable, it supports all 2, 3 and 4 connector models as specified in these standards, as well as short link and channel configurations, which makes it also an

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ideal solution for Data Centres, avoiding cable length excess in the racks.

Independent lab certification

The LANmark-6A EVO 2.0 connector is 3rd party certified for various Channel configurations.

Guarantees

Links and Channels built with EVO 2.0 connectors and LANmark-6A (or higher) cable and cords are guaranteed to meet or exceed the requirements of the above mentioned standards.
A full Class EA System Warranty for a period of 25 years, including parts, installation, Channel performance and application support, 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-6A EVO 2.0 Snap-In Connector Category 6A Screened (24 PCS/BOX)

Characteristics

구조적 특성	
Connector type	RJ45 및Tool-less IDC
스크린	예
치수	
Depth	34.5 mm
Height	22.1 mm
Width	16.6 mm
사용 특성	
Category	Cat. 6A
Component function	Connector
Range	LANmark-6A

Installation instructions_LANmark EVO 2.0 connector.pdf pdf — 2.2 MB 다운로드

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