LANmark-6 Snap-In Connector

LANMARK-6 EVO SNAP-IN CONNECTOR CATEGORY 6 UNSCREENED APAC

Aginode Ref: N420.660

- Category 6 Snap-In connector
- Unshielded
- Fast and easy termination without punch down tool
- Wiring according to colour code T568B or T568A
- Accepts solid and stranded wire from AWG26 to AWG22
- Easily re-installable
- Supports PoE++ Type 4 applications delivering up to 90W/71W (IEEE 802.3bt)
- An adapter can be added to fit the keystone format



STANDARDS

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

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
- 155 Mb ATM
- 622 Mb ATM
- 1.2 Gb ATM
- PoE++ Type 4 (IEEE 802.3bt) including IEC 60512-9-3 (test 9c) and IEC 60512-99-002 (test 99b)
- 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 complement all LANmark modular components, such as:

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

Performance

Aginode LANmark-6 Evo Snap-In connectors meet or exceed the requirements for Category 6 connecting hardware as

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described in ISO/IEC 11801, IEC 60603-7 and ANSI/TIA 568.2.

Installation

The wire organiser guarantees fast and easy termination of the LANmark-6 Evo Snap-In connector without the need for a punchdown 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	max. 200 m Ohm
Insulation resistance:	min. 500 M Ohm
Voltage proof:	1000 V DC or AC peak, contact to contact.
Mating cycles:	min. 2500
Insertion cycles:	min. 20

Electrical performance

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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 APAC

Characteristics

Construction characteristics	
Colour	Light grey
Screen	No
Dimensional characteristics	
Depth	29 mm
Height	22.9 mm
Width	16.7 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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