LANmark-OF Female Plug&Play MPO-LC Module APAC

LANMARK-OF PLUG&PLAY LOW LOSS MODULE FEMALE UNIVERSAL 24 LC SM BLUE



Aginode Ref: N441.5M24LC0FU

- Play&Play module with 24 LC connections
- Available in LANmark-OF OS2 singlemode
- Low loss optical performance for singlemode: 0,75 dB insertion loss
- Universal polarity, Type U1 according to TIA-568.3-E
- Module can be easily mounted into Aginode' Plug&Play patch panel
- High density: 4 modules fit into 1U
- Plug&Play modules are pre-installed and 100 % factory tested

The Plug&Play system consists of 3 subcomponents: the Plug&Play modules, the MPO-MPO Pre-Terms and the Plug&Play patch panel.

The central component is the pre-installed Plug&Play module. The MPO connector at the back of the module connects at once 12 fibres to the MPO-MPO Pre-Term. Inside the module the fibres are spread out towards the LC adaptors at the front.

Up to 4 Plug&Play modules can be installed quickly into the Plug&Play patch panel with push rivets. With these 4 modules a medium density of 48 LC or a high density of 96 LC connections within 1U can be achieved.

The insertion loss for the Plug&Play module is measured according to standard IEC 61300-3-45. The minimum return loss for a MPO connection is measured according to IEC 61300-3-6.

The module's default polarity is universal, Type U1 according to TIA-568.3-E. Other polarities like Type A, Type B and Type C can be customized upon request.

For polarity methods A,B ,C ,U1of standard TIA 568.3-E following modules and trunks need to be used:

- For a polarity method A implementation with a Type A Pre-Term and straight modules are used on both sides of the link.
- For a polarity method B implementation with a Type B Pre-Term and a straight cassette is used on one side of the link and a crossed module on the other side of the link.
- For a polarity method C implementation with a Type C Pre-Term and straight modules are used on both sides of the link.
- For a polarity method U1 implementation with a Type B Pre-Term and universal modules are used on both sides of the

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link.

The Plug&Play module has standard unpinned (female) connectors. This matches perfectly with the pinned (male) connectors of the MPO-MPO Pre-Term.

Since all connectivity is factory terminated and tested installation times are short facilitating a quick deployment.

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Characteristics

Construction characteristics	
Fiber optic type	SingleMode 9/125
Wiring type	Polarity Universal
Connector type	LC
Dimensional characteristics	
Number of optical fibres	24
Transmission characteristics	
Insertion loss, typical value	0.5 dB
Insertion Loss, maximum, dB	0.75 dB
Return Loss, Minimum, dB	45 dB

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