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

**LANMARK-OF PLUG&PLAY LOW LOSS MODULE FEMALE UNIVERSAL 12 LC SM BLUE**



**Aginode Ref:** N441.5M12LC0FU

- Play&Play module with 12 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.

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

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# LANmark-OF Plug&Play Low Loss Module Female Universal 12 LC SM Blue

## Characteristics

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| **Construction characteristics** | |
| Fiber optic type | SingleMode 9/125 |
| Wiring type | Polarity Universal |
| Connector type | LC |
| **Dimensional characteristics** | |
| Number of optical fibres | 12 |
| **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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