

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

## LANMARK-OF PLUG&PLAY LOW LOSS MODULE FEMALE UNIVERSAL 12 LC OM4 AQUA

### **Aginode Ref:** N441.5M12LCVFU

- Play&Play module with 12 LC connections
- Available in LANmark-OF OM4 multimode
- Low loss optical performance for multimode: 0,5 dB insertion loss
- Universal wiring
- 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 modules are available with a straight and a crossed wiring.

For polarity methods A,B and C of standard TIA-568-C following modules and trunks need to be used:

- For a polarity method A implementation with a method A Pre-Term straight modules are used on both sides of the link.
- For a polarity method B implementation with a method B Pre-Term 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 method C Pre-Term straight modules are used on both sides of the link.



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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

Connector type	LC
Fiber optic type	MultiMode 50/125

### Dimensional characteristics

Number of optical fibres	12
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### Transmission characteristics

Insertion Loss, maximum, dB	0.5 dB
Insertion loss, typical value	0.35 dB
Return Loss, Minimum, dB	20 dB