CENTUM VP

Product Data Sheet

ANT512-5F S1

Optical ESB Bus Repeater Slave Module

REPEATER ROLE	MAXIMUM TRANSMISSION DISTANCE	OPTICAL CONNECTOR	OPTICAL FIBER TYPE
Slave	**50 km per hop**	**LC, IEC 61754-20**	**Quartz single-mode**

The Yokogawa ANT512-5F S1 is an Optical ESB Bus Repeater Slave Module for CENTUM VP. It carries the ESB bus over optical fiber and is paired with the ANT411-E/F variants repeater in the documented architecture.

01 TECHNICAL DATA

Repeater role	Slave
Maximum transmission distance	50 km per hop
Optical connector	LC, IEC 61754-20
Optical fiber type	Quartz single-mode
Required fiber cores	2
Permissible optical loss	3 to 16 dB at 1.55 µm
Current consumption	0.5 A
Documented companion repeater	ANT411-E/F variants
Connection topology	Chain or star
Suffix F operating temperature	-20 to +70 °C

02 ADDITIONAL PRODUCT DATA

Suffix F environmental option	ISA Standard G3

03 PRODUCT FUNCTION

The 5F configuration includes the ISA Standard G3 option and a -20 to +70 °C temperature option. The link uses two optical fibers and LC connectors. Yokogawa specifies 50 km per hop with the applicable fiber and optical loss budget of 3 to 16 dB at 1.55 µm. The module draws 0.5 A and supports chain or star layouts within the documented host limits.

04 SYSTEM COMPATIBILITY

Match the ANT411-E/F variants counterpart and verify the fiber route against the approved ESB design. Check the optical loss budget for the installed path.

05 REFERENCE

Yokogawa GS 33J60F52-01EN

AMIKON PRODUCT SUPPORT

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