

CENTUM FOUNDATION FIELDBUS ALF111

Product Data Sheet

ALF111-S00 S1

FOUNDATION Fieldbus Communication Module

H1 COMMUNICATION PORT ALLOCATION	H1 TRANSMISSION RATE	CONTROL I/O POINTS PER SEGMENT	DEVICES PER SINGLE SEGMENT
4 ports, 1 segment per port	31.25 kbit/s	48 maximum	32 maximum including ALF111

Yokogawa ALF111-S00 S1 is the ALF111 FOUNDATION Fieldbus communication module for compatible CENTUM field control stations. It connects configured H1 fieldbus segments to the station process-control project.

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VERIFIED TECHNICAL DATA

H1 communication port allocation	4 ports, 1 segment per port
H1 transmission rate	31.25 kbit/s
Control I/O points per segment	48 maximum
Devices per single segment	32 maximum including ALF111
Field devices per redundant segment	30 maximum
Maximum module consumption	0.5 A
Insulation withstand	1500 V AC for 1 minute, field/system and between ports
Maximum function blocks per module	100 FF faceplate blocks
Maximum modules per FCS	64 modules or 32 redundant pairs
High-speed I/O per ER-bus segment	6 points

ADDITIONAL PRODUCT DATA

Redundant module allocation	2 adjacent ALF111 modules
Terminal arrangement	Pressure-clamp terminals; switchable built-in terminators
FCS faceplate block capacity	1500 general-purpose or 1000 batch database blocks
Capability file specification	FOUNDATION Fieldbus Common File Format FS1.5
H1 electrical signalling	Low-speed voltage mode

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Continuous Process Production: Industrial Chemical Process Control.

Oil and Natural Gas Production: Oil Exploration and Production.

Pharmaceutical Manufacturing and Batch Production: Pharmaceutical Batch Process Control.

SYSTEM COMPATIBILITY

Match ALF111-S00 S1 to the installed CENTUM FOUNDATION Fieldbus ALF111 hardware and project. Confirm the connector layout, supplied revision and required companion parts before selecting this foundation fieldbus communication module.

PRODUCT EVIDENCE

Yokogawa GS 33J60G20-01EN, ALF111, 5th edition July 2019

AMIKON PRODUCT SUPPORT

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