CENTUM VP

Product Data Sheet

AFV30D-A41262

Duplexed Field Control Unit

PROCESSOR MODULE	PROCESSOR REDUNDANCY	CONTROL NETWORK	POWER SUPPLY REDUNDANCY
CP471	**2 identical CP471 modules**	**Dual-redundant Vnet/IP**	**Dual redundant**

The Yokogawa AFV30D-A41262 is a duplexed field control unit for CENTUM VP field control stations with FIO. This rack-mounted variant uses a pair of CP471 processors, redundant Vnet/IP and redundant 220–240 V AC power supplies.

01 TECHNICAL DATA

Processor module	CP471
Processor redundancy	2 identical CP471 modules
Control network	Dual-redundant Vnet/IP
Power supply redundancy	Dual redundant
AC input	220–240 V AC
Line frequency	50/60 Hz
Power consumption	230 VA at 220–240 V AC
Environmental option	ISA G3, without explosion protection
CENTUM VP release code	R6.01 or later, subject to CP471 software support
Main memory battery backup	72 h maximum

Yokogawa GS 33J60E10-01EN, pp. 1–3 and 6

02 ADDITIONAL PRODUCT DATA

Battery recharge time	48 h minimum
READY contact rating	30 V DC, 0.3 A maximum
ESB node capacity	13 per FCU, including optical nodes
I/O module capacity	8 maximum, subject to slot restrictions
Network cabling	CAT5e or better UTP to Layer 2 switch

03 PRODUCT FUNCTION

The suffix specifies the ISA G3 environmental option without explosion protection. The FCU supports up to 13 ESB and optical ESB nodes in total, and its READY output provides a normally closed fault contact.

04 SYSTEM COMPATIBILITY

Connect the dual Vnet/IP paths to the Layer 2 network with CAT5e or better cabling. For a duplexed processor arrangement using ESB nodes, reserve slots 7 and 8 for the applicable couplers.

05 REFERENCE

Yokogawa GS 33J60E10-01EN, pp. 1–3 and 6

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