General Specifications

GS 33Q06C30-31E

Model PFCS
Field Control Station
Model PFCD
Duplexed Field Control Station

CENTUM CS 3000 R3

■ GENERAL

This GS covers the hardware specifications for Field Control Station and Duplexed Field Control Station.

■ HARDWARE SPECIFICATIONS

For the installation specifications common to the systems, refer to “System Overview (GS 33Q01B10-31E).”

Processor
R4300

Memory Protection During Power Failure
Battery
Battery Back-up for Main Memory: Max. 72 hours
Battery Recharge Time: Min. 48 hours

FCS Status Contact Output
2 terminals (NC, C)
Contact Points open during FCS failure
Contact Rating: 30 V DC, max. 0.3 A

Communication Interface
V net Interface: Dual-redundant or Single

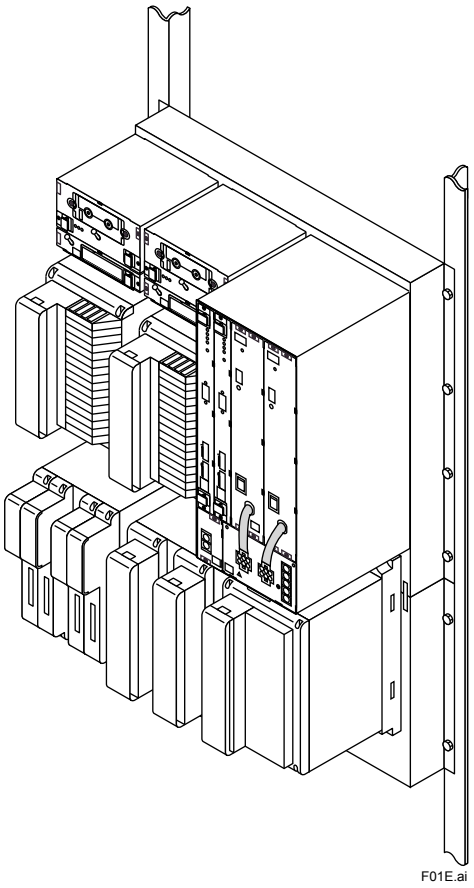
Power Supply
(specify with Suffix Codes)
100-120 V AC, 50/60 Hz
220-240 V AC, 50/60 Hz
24 V DC

Electric Power Consumption
When max. no. of I/Os is installed:
100-120 V AC: 200 VA
220-240 V AC: 300 VA
24 V DC: 9 A

Weight:
Approx. 13 kg (PFCS)
Approx. 16 kg (PFCD)

Mounting
19” Rack Mounting: Rack mount (8xM5 screws)
Insulation bush (accessory)

Connection
Power Supply: M4 screw terminal connection
Grounding: M4 screw terminal connection
Contact Output: M4 screw terminal connection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Regulatory Compliance
For the detailed information of following standards, see “System Overview (GS 33Q01B10-31E).”

Safety Standards
[CSA] (for 100-120 V AC power supply)
[CE Mark] (for 220-240 V AC power supply)
EMC Conformity Standards
[CE Mark] (for 220-240 V AC and 24 V DC power supply)
[C-Tick Mark] (for 220-240 V AC and 24 V DC power supply)

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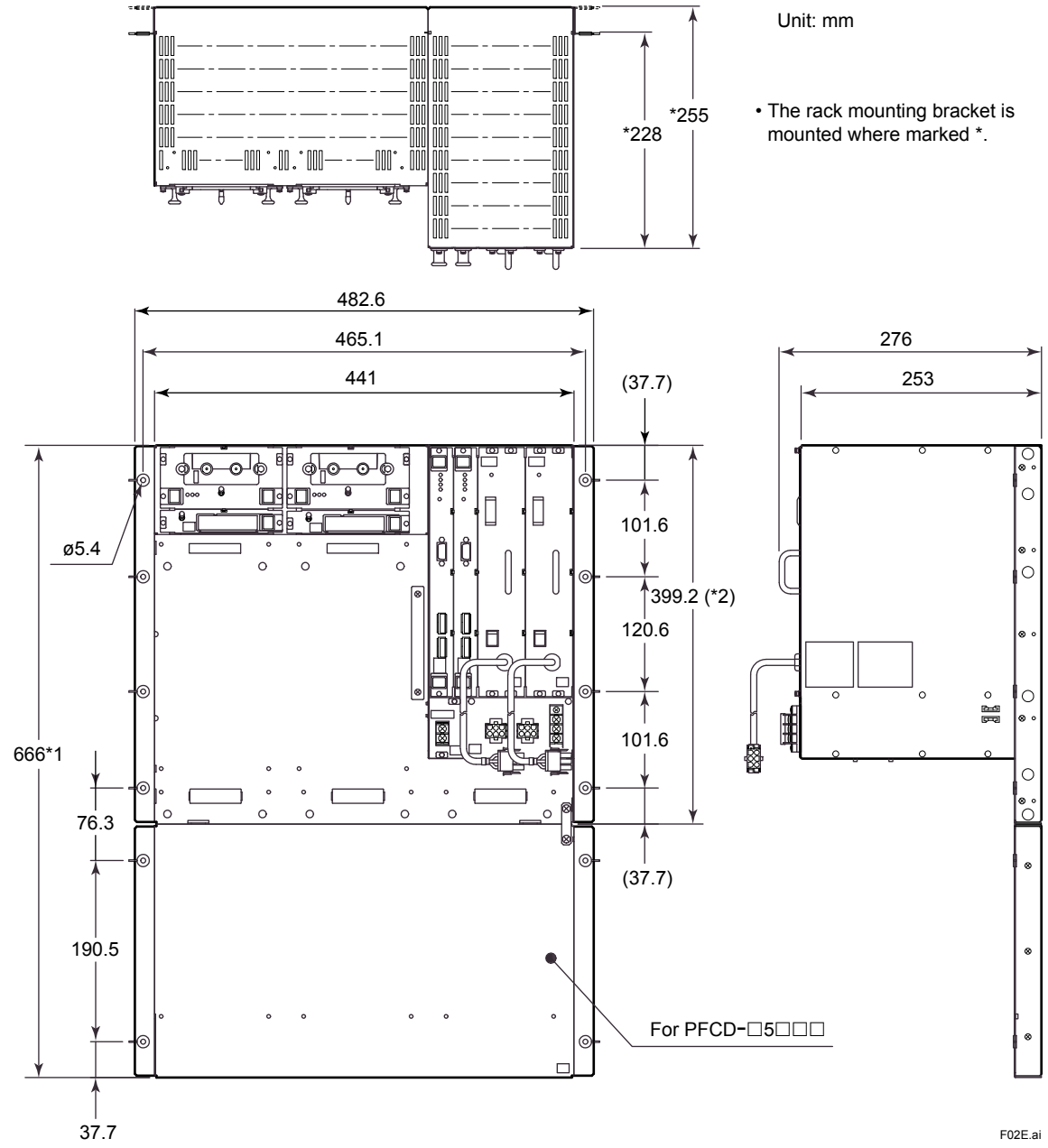
■ EXTERNAL DIMENSIONS



*1: PFCD-□5□□□
*2: PFCD-□2□□□

■ MODELS AND SUFFIX CODES

Field Control Station (PFCS-S, E)

		Description
Model	PFCS	Field Control Station
Suffix Codes	-S	Standard Type
	-E	Enhanced Type
	2	Two I/O Module Nests Installation
	5	Five I/O Module Nests Installation
	1	Single Power Supply Card, CPU Card, Communication Part
	2	Redundant Power Supply Card (Single CPU Card and Communication Part)
	3	Redundant V net (Single Power Supply Card and CPU Card)
	4	Redundant Power Supply Card and V net (Single CPU Card)
	1	100-120 V AC Power Supply
	2	220-240 V AC Power Supply
	4	24 V DC Power Supply
	0	Standard Control Function Software License (LFS1000)
	1	Enhanced Control Function Software License (LFS1020)
Option Code	/□-TE	With V net terminator (*1)

*1: In □, enter “1” to use a single V net, and “2” to use a redundant V net. This terminaor is required when the PFCS is the last terminal on V net.

Duplexed Field Control Station (PFCD-S, E)

		Description
Model	PFCD	Duplexed Field Control Station
Suffix Codes	-S	Standard Type
	-E	Enhanced Type
	2	Two I/O Module Nests Installation
	5	Five I/O Module Nests Installation
	5	Redundant Power Supply Card, CPU Card, V net
	1	100-120 V AC Power Supply
	2	220-240 V AC Power Supply
	4	24 V DC Power Supply
	0	Standard Control Function Software License (LFS1000)
	1	Enhanced Control Function Software License (LFS1020)
Option Code	/2-TE	With V net terminator (*1)

*1: This terminator is required when the PFCD is the last terminal on V net.

Field Control Station (PFCS-H)

		Description
Model	PFCS	Field Control Station
Suffix Codes	-H	Compact Type
	2	Two I/O Module Units Install Type
	5	Five I/O Module Units Install Type
	7	Redundant V net, Single Power Supply Card
	8	Redundant V net and Power Supply Card
	1	100-120 V AC Power Supply
	2	220-240 V AC Power Supply
	4	24 V DC Power Supply
	2	LFS1120 Basic Software license for Control Function for Compact Field Control Station

Duplexed Field Control Station (PFCD-H)

		Description
Model	PFCD	Duplexed Field Control Station
Suffix Codes	-H	Compact Type
	2	Two I/O Module Unit Install Type
	5	Five I/O Module Unit Install Type
	6	Redundant Power Supply Card, CPU Card, Communication Part
	1	100-120 V AC Power Supply
	2	220-240 V AC Power Supply
	4	24 V DC Power Supply
	2	LFS1120 Basic Software license for Control Function for Compact Field Control Station

■ SOFTWARE REQUIREMENT

Specify with suffix codes.

- PFCS-S/PFCD-S: LFS1000 Standard Control Function
- PFCS-E/PFCD-E: LFS1020 Enhanced Control Function

For specifications, refer to GS 33Q03K90-31E.

Specify with suffix codes.

Model LFS1120 Control Functon for Compact Field Control Station (PFCS-H, PFCD-H)

For specifications, refer to GS 33Q03K20-31E.

■ ACCESORIES AND SPARE PARTS

The spare parts listed below are provided with the FCS.

Parts names	Parts numbers	Description	Quantity	Remarks
Insulating bush	S9049PM	for PFC□-□2	8	Accessory
Insulating bush	S9049PM	for PFC□-□5	12	Accessory

■ ORDERING INFORMATION

Specify model and suffix code.

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