

Yokogawa F3RP45-2PL1

FA-M3 Control Module

Overview

Yokogawa F3RP45-2PL1 is a legacy FA-M3 control-system article. The supplied Yokogawa hardware manual governs FA-M3 installation, power, grounding and handling; the complete -2PL1 suffix must be verified from the installed nameplate.

01 / Function

Belongs to the Yokogawa FA-M3 modular automation platform

02 / Function

Uses the FA-M3 system installation and power-supply rules

03 / Function

Requires controlled grounding, cable routing and ESD handling

04 / Function

Retains a legacy identity whose complete suffix must be recorded before replacement

PRODUCT FIELD	OFFICIAL VALUE
Manufacturer	Yokogawa Electric Corporation
Supplied model identity	F3RP45-2PL1
Official base-model record	F3RP45-2P
Product platform	FA-M3 / e-RT3 modular control system

Technical parameter dashboard

Yokogawa F3RP45-2PL1

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Manufacturer	Yokogawa Electric Corporation	Ambient operating temperature	0 to 55 deg C	Emergency-stop implementation	External circuit using external relays
Supplied model identity	F3RP45-2PL1	Relative humidity	10 to 90% RH, noncondensing	Module handling	Turn system power off before installation or removal
Official base-model record	F3RP45-2P	Installation pollution degree	Pollution degree 2	Electrostatic-discharge control	Discharge static electricity before touching modules
Product platform	FA-M3 / e-RT3 modular control system	Permitted system power supplies	Yokogawa F3PUxx FA-M3 power-supply modules	Cable installation	Secure connectors and segregate noise-sensitive wiring from noise sources
Lifecycle record	F3RP45-2P sales ended 2010-09-30; official support is shown as ended	Field conductors	Copper conductors rated above 75 deg C		
Applicable hardware manual	IM 34M06C11-01E	Protective earthing	Low-impedance protective earth; braided earth conductor for CE installations		

Evidence boundary: Exact article evidence is limited to Yokogawa's F3RP45-2P lifecycle listing and the supplied FA-M3 hardware manual. The -2PL1 suffix and installed project configuration must be verified from the nameplate and controlled site records.

Evidence reviewed: Yokogawa FA-M3 Hardware Manual IM 34M06C11-01E and FA-M3 / e-RT3 discontinued-product list TI 34M06Z40-01.

Applications and product precautions

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Legacy FA-M3 station maintenance Maintains an installed FA-M3 control station after the exact F3RP45-2PL1 nameplate and configuration are recorded.	FA-M3 system restoration Restores the assigned module position under the Yokogawa hardware installation rules.	Industrial controller renewal Supports a controlled replacement workflow where project, power and I/O identities are preserved.	Installed-base support Provides a documented engineering boundary for a discontinued FA-M3 article.
01 / Check Verify F3RP45-2PL1 exactly as marked; do not substitute the documented F3RP45-2P base identity for an unverified suffix.	02 / Check Back up the installed FA-M3 project, module position, network settings and associated I/O information before removal.	03 / Check Stop the controlled process and turn off every applicable system and field supply before installing or removing the module.	04 / Check Use only the documented FA-M3 power-supply arrangement and confirm the total current-consumption plan before energizing.
05 / Check Connect a low-impedance protective earth and follow the Yokogawa CE earthing method where it applies.	06 / Check Discharge static electricity before touching the module, connectors or backplane interfaces.	07 / Check Secure connectors and route communication or signal wiring away from power and other noise sources.	08 / Check After restoration, execute a controlled trial run and verify diagnostics, communications, I/O operation and emergency-stop response before release.

Evidence reviewed: Yokogawa FA-M3 Hardware Manual IM 34M06C11-01E and FA-M3 / e-RT3 discontinued-product list TI 34M06Z40-01.

Model-specific engineering FAQ

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How should the exact F3RP45-2PL1 identity be verified?

Record the complete installed nameplate. Yokogawa's lifecycle list confirms the F3RP45-2P base model, while the supplied source does not define the added L1 suffix.

What is the lifecycle status of F3RP45-2PL1?

Yokogawa lists F3RP45-2P with sales ended on 2010-09-30 and support ended; the exact installed suffix should still be preserved in the maintenance record.

Which ambient range applies when servicing F3RP45-2PL1 in an FA-M3 station?

The supplied FA-M3 hardware manual specifies 0 to 55 deg C and 10 to 90% RH without condensation for the system installation.

Which power-supply rule applies to F3RP45-2PL1?

Use the documented F3PUxx FA-M3 power-supply modules and check the complete station current-consumption restriction before energizing.

Must power be removed before replacing F3RP45-2PL1?

Yes. Yokogawa instructs users to turn system power off before installing or removing FA-M3 modules.

What ESD control is required for F3RP45-2PL1?

Discharge static electricity from the body before touching the module, connectors or backplane contacts.

How should F3RP45-2PL1 grounding be handled?

Use a low-impedance protective-earth connection and the documented braided earth-conductor method where CE installation rules apply.

What final checks are appropriate after installing F3RP45-2PL1?

Perform a controlled trial run and verify module identity, system diagnostics, communications, I/O response and the external emergency-stop circuit.

Use the final installed drawing, configuration record and manufacturer instructions for acceptance decisions.

Related products and contact

Recommendation count is fitted to the available page area

NO.	RELATED PRODUCT	APTERPOWER LINK
01	Allen-Bradley 1756-L85E	View Allen-Bradley 1756-L85E page
02	Allen-Bradley 1756-EN2T	View Allen-Bradley 1756-EN2T page
03	Allen-Bradley 1756-EN2TR	View Allen-Bradley 1756-EN2TR page
04	Allen-Bradley 1756-EN2F	View Allen-Bradley 1756-EN2F page
05	Allen-Bradley 1756-CN2R	View Allen-Bradley 1756-CN2R page
06	Allen-Bradley 1756-A7	View Allen-Bradley 1756-A7 page
07	Allen-Bradley 1756-A13	View Allen-Bradley 1756-A13 page
08	Allen-Bradley 1756-A17	View Allen-Bradley 1756-A17 page
09	Siemens 39RTMCAN-16207-61-11	View Siemens 39RTMCAN-16207-61-11 page
10	Siemens 39RTMCAN-16207-61-13	View Siemens 39RTMCAN-16207-61-13 page
11	Siemens 39SAMCAN-16133-71-04	View Siemens 39SAMCAN-16133-71-04 page
12	Siemens 39SAMCAN-16133-71-13	View Siemens 39SAMCAN-16133-71-13 page
13	Siemens 39SAMCAN-16133-71-8	View Siemens 39SAMCAN-16133-71-8 page
14	Siemens 39SAMCAN-16133-71-9	View Siemens 39SAMCAN-16133-71-9 page
15	Siemens 39SDM024DCCBN-16101-174-8	View Siemens 39SDM024DCCBN-16101-174-8 page
16	Siemens 39VIMCCN-16171-126-3	View Siemens 39VIMCCN-16171-126-3 page

Recommendation links are navigation aids only and do not establish compatibility.

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