

PR6424-000-000-CON21

Eddy Current Sensor

INSTALLATION | CONNECTION | COMMISSIONING | ACCEPTANCE

CONTROLLED WORK SEQUENCE

1

VERIFY

2

ISOLATE

3

CONNECT

4

TEST

Treat PR6424-000-000 and CON021 as a matched installed identity. Verify system length, target material, mounting, gap and monitor scale before service.

CONTROLLED PREREQUISITES

Exact identity

Verify PR6424-000-000-CON21 against the nameplate and controlled record.

Approved system

Confirm the documented PR6424 16 mm eddy-current transducer system system position and interfaces.

Evidence

Use PR6424 / PR642x for the published technical and installation boundary.

RELATED PRODUCTS ON APTER POWER

01	Emerson PR9268-601-000-025531	OPEN
02	Emerson KJ1501X1-BC4-C2-A013P0063X052	OPEN
03	Emerson IC31197G05	OPEN
04	Emerson KJ3243X1-BK1-C2-A0SE4022	OPEN

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PR6424-000-000-CON21

Exact-model technical record

Complete model	PR6424-000-000-CON21	Dynamic range	0 to 1000 μm
Manufacturer	Epro	Nominal air gap	approximately 2.7 mm
Product family	PR6424 16 mm eddy-current transducer	Target reference	Ferromagnetic steel, 42CrMo4 reference
Sensor family	PR6424, 16 mm	Minimum shaft diameter	80 mm
Converter identity	CON021	Measurement roles	Radial/axial displacement, position,
Nominal sensitivity	4 V/mm	Cable construction	PTFE-insulated sensor and extension cable
Static range	approximately ±2 mm		

OFFICIAL SOURCE COVERAGE

Source 1	Emerson PR6424 16 mm Sensor Datasheet and PR642x Installation Guide — Catalog or product identification, PR6424 / PR642x
Source 2	Emerson PR6424 16 mm Sensor Datasheet and PR642x Installation Guide — Technical specifications, PR6424 / PR642x
Source 3	Emerson PR6424 16 mm Sensor Datasheet and PR642x Installation Guide — Installation and application guidance, PR6424 / PR642x

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Installation and connection sequence

STEP 1

Confirm the complete PR6424-000-000-CON21 marking and installed eddy-current position before work.

STEP 2

Place the connected process in the approved maintenance state.

STEP 3

Isolate every applicable power and field circuit before disconnection.

STEP 4

Record connector, terminal, address, slot and companion-hardware identities.

STEP 5

Use grounded ESD controls and protect keyed interfaces from damage.

STEP 6

Preserve documented polarity, shielding, grounding and cable routing.

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Commissioning and acceptance

CHECK 1

Restore power in the approved sequence and review diagnostics.

CHECK 2

Prove the intended input, output or communications response and retain the acceptance record.

CHECK 3

Treat PR6424-000-000 and CON021 as a matched installed identity. Verify system length, target material, mounting, gap and monitor scale before service.

CHECK 4

Retain the final PR6424-000-000-CON21 identity, wiring, diagnostic and acceptance record.

RELATED PRODUCTS ON APTER POWER

01	Emerson KL2101X1-BA1-C2-A0SE6501T01	OPEN
02	Emerson KL2101X1-BB1-SE6504	OPEN
03	Emerson KJ3241X1-BK1-C2-A0SE4006P2	OPEN
04	Emerson KJ2005X1-BK1-C2-A0SE3007	OPEN
05	Epro PR6426-010-040-CON021-916-120	OPEN
06	Emerson 8752-CA-NS-02	OPEN

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Acceptance reference and related products

Identity	Complete model PR6424-000-000-CON21 verified
Installed system	PR6424 16 mm eddy-current transducer system
Connections	Power, polarity, shielding, address or slot record completed
Controlled test	Diagnostics and intended process response accepted

RELATED PRODUCTS ON APTER POWER

01	Emerson KJ3241X1-BA1-12P2506X062	OPEN
02	Epro PR6424-014-140-CON021	OPEN
03	Epro PR6423-01K-010	OPEN
04	Epro PR6423-015-040	OPEN
05	Emerson 38B6041X082	OPEN
06	Emerson KJ3222X1-BA1-12P2532X092-VE4003S2B2	OPEN
07	Emerson PR6424-013-140-CON021-914-100	OPEN
08	Emerson PR6424-000-041-CON041	OPEN

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