

INDUSTRIAL AUTOMATION PRODUCT

AD4000189-530

Cable Assembly

Schneider Electric AD4000189-530 is a configured cable assembly. It provides a defined interconnection path between the installed control-system endpoints identified by the approved cabinet drawings.

IDENTITY	VERIFIED VALUE
Manufacturer	Schneider Electric
System family	Schneider Electric configured interconnection hardware
Part number	AD4000189-530
Country	France
HS code	8537101190

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Technical Specifications

Technical values below are limited to the named Schneider Electric product record.

PARAMETER	TECHNICAL VALUE
Catalog reference	AD4000189-530
Assembly class	Cable assembly

ENGINEERING DATA SUMMARY

DATA GROUP	VERIFIED ASSIGNMENT
Installed host / carrier	installed source-side connector
Companion hardware	installed destination-side connector
Field connection	cabinet cable supports and strain relief
Primary system function	Preserves the installed point-to-point connection path during like-for-like service
Controlled acceptance duty	Control-cabinet interconnection renewal

Installed-assembly identity controls

Endpoint A	Record cabinet, rack, connector and key orientation before removal
Endpoint B	Record destination, connector, fastener and mating-interface identity
Cable route	Photograph supports, service loops, crossings and strain-relief points
Shield / bond	Record shell, drain and cabinet-bond termination at both endpoints
Baseline state	Retain active diagnostics, channel state and maintenance authorization

Acceptance evidence

1. Point-to-point continuity completed with connected electronics protected from the test method.
2. No cross-connection, connector damage, pin deformation or unsupported cable load observed.
3. Shield, ground and cabinet bonding restored to the approved installed arrangement.
4. Final diagnostics and controlled function test accepted before return to service.

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System Role and Architecture

Schneider Electric AD4000189-530 is a configured cable assembly. It provides a defined interconnection path between the installed control-system endpoints identified by the approved cabinet drawings.

FUNCTION 1
Preserves the installed point-to-point connection path during like-for-like service

FUNCTION 2
Keeps connector identity and cable orientation controlled through removal and installation

FUNCTION 3
Supports documented continuity and insulation checks before equipment restoration

FUNCTION 4
Provides a replaceable interconnection assembly for an engineered control installation

Matched system components

- installed source-side connector
- installed destination-side connector
- cabinet cable supports and strain relief
- approved wiring and loop drawings

SYSTEM INTEGRATION RECORD

INTEGRATION ITEM	DOCUMENTED ROLE
Installed host / carrier	installed source-side connector
Companion hardware	installed destination-side connector
Field connection	cabinet cable supports and strain relief
Primary system function	Preserves the installed point-to-point connection path during like-for-like service
Controlled acceptance duty	Control-cabinet interconnection renewal

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Applications and Engineering Context

Control-cabinet interconnection renewal

Preserves the installed point-to-point connection path during like-for-like service

Safety-system cable replacement

Keeps connector identity and cable orientation controlled through removal and installation

Shutdown maintenance connection verification

Supports documented continuity and insulation checks before equipment restoration

Legacy control-system wiring restoration

Provides a replaceable interconnection assembly for an engineered control installation

TECHNICAL NOTE

Before disconnecting AD4000189-530, photograph both endpoints and record connector keys, orientation, cable tags, support points, shield treatment and every intermediate route. After installation, complete continuity, insulation, grounding and controlled system-response checks against the approved site procedure.

MODEL-SPECIFIC ACCEPTANCE EVIDENCE

CHECK	ACCEPTANCE CONDITION
Identity	AD4000189-530 / AD4000189-530 recorded
Physical interface	installed source-side connector
Companion check	installed destination-side connector
Functional proof	Preserves the installed point-to-point connection path during like-for-like service
Application test	Control-cabinet interconnection renewal

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Engineering Precautions

1

Verify the complete AD4000189-530 reference and both installed endpoints before disturbing the assembly.

2

Place the connected equipment in the approved maintenance state and isolate all applicable energy sources.

3

Record connector orientation, keying, cable tags, routing and strain-relief locations before disconnection.

4

Protect pins, sockets and connector shells from ESD, contamination, moisture and mechanical impact.

5

Route the replacement without tension, crushing, unsupported weight or bend stress at either connector.

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
ATV320U75N4B	Altivar Machine variable speed drive	Open product page
MICROLOGIC 6.0 A	Electronic circuit-breaker trip unit	Open product page
TSXP574634M	Modicon Premium Unity processor	Open product page

MANUFACTURER SOURCE RECORD

EcoStruxure Triconex Safety Systems product range

Schneider Electric product range 63681

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