

Before work on 6ES5430-4UA12

Use the controlled Siemens installation drawing and the complete installed order number. The checks below apply only the manufacturer-documented values; site isolation and acceptance procedures remain mandatory.

#	CONTROL	PRE-CONNECTION ACTION
1	Identity	Record the complete 6ES5430-4UA12 order number.
2	Host	Verify the actual SIMATIC rack and wiring plan.
3	Channels	Map all 32 digital input points.
4	Input level	Check the 24 V DC input and signal-1 range.
5	Cable	Record screened or unscreened wiring and its length.
6	Front plug	Inspect the installed switch and return connections.
7	Indication	Record the green status lamps before removal.
8	Isolation	De-energize the assembly before insertion or removal.

HOLD POINT

Only signal-1 limits are used here; the scanned signal-0 minus sign is ambiguous. Check the full installed 6ES5430-4UA12 and rack drawing before replacement.

MANUFACTURER BASIS

Siemens AG, PGC 302 Edition II, SIMATIC modules, p. 15 (PDF p. 54); Siemens SINUMERIK 805SM-P Installation Lists, p. 1-2

Controlled release record

Verify each item in the actual cabinet and document its observed state. Published module data alone do not prove that the surrounding system is configured correctly.

#	CONTROL	REQUIRED RECORD
1	Identity	Exact part and installed slot are documented.
2	Channel map	All 32 input points match the control drawing.
3	24 V supply	The intended input supply and return are verified.
4	Signal 1	Controlled high-state test agrees with Siemens range.
5	Cable	Screening and field lengths are within the documented limit.
6	Indications	Green lamps agree with simulated input states.
7	Addressing	The host uses the approved address and enable connection.
8	Release	Site engineer accepts the input verification record.

FINAL RELEASE

Return to service only after the responsible site engineer has accepted the module identity, program mapping, field circuits and test record.

MANUFACTURER BASIS

Siemens AG, PGC 302 Edition II, SIMATIC modules, p. 15 (PDF p. 54); Siemens SINUMERIK 805SM-P Installation Lists, p. 1-2