

6ES5430-4UA12

SIMATIC S5 32-channel digital input module

Siemens identifies 6ES5 430-4UA12 as a 32-input, 24 V DC SIMATIC module. The original PGC 302 manual gives the signal-1 voltage and current, green status indicators, cable-length limits and one-slot installation.

32 INPUTS

Thirty-two digital status inputs.

24 V DC

Module listed for 24 V DC input circuits.

INDICATION

Green front lamps show input signal status.

WIRING

Observe screened and unscreened cable-length limits.

INTERFACE	SIEMENS RECORD
Part identity	6ES5 430-4UA12 is listed by Siemens as a 32-input SIMATIC module.
Signal reporting	Digital status is indicated by green lamps on the module.
Input level	Signal 1 is specified from +13 to +33 V.

EXACT-MODEL BOUNDARY

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

Documented operating values

PARAMETER	SIEMENS DATA
Digital inputs	32
Nominal input voltage	24 V DC
Signal-1 voltage	+13 to +33 V
Signal-1 current	7 mA
Unscreened cable	Less than 600 m
Screened cable	Less than 1000 m
Module slots	One in PGC 302
Status display	Green lamps for input signal status
Field connection	Front plug; return to central +24 V block in PGC 302

Input current

Siemens lists 7 mA for signal 1.

Unscreened line

The PGC 302 manual limits this line to less than 600 m.

Screened line

The same manual lists less than 1000 m.

INTERPRETATION

Values belong to the stated complete Siemens part number and the cited installation context. Verify the actual field wiring, program and rack before any substitution.

DOCUMENT CONTROL

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