

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.

Documented application contexts

Status acquisition

Read 32 process or machine status signals.

Switch circuits

Connect approved field switches to the front plug.

PGC 302 signals

Import documented chromatograph status, such as pressure-switch state.

Operator checks

Use green lamps to compare field and controller states.

Engineering snapshot

TOPIC	VERIFIED INTERPRETATION
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.
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.
Rack planning	One module slot is required in the PGC 302 installation.
Switch wiring	The field switch connects to the front plug with return to the +24 V block in the shown assembly.

CONTROLLED USE

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