MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES5436-4UA12

SIMATIC S5 SIXTEEN-CHANNEL AC DIGITAL INPUT MODULE

Used with the applicable SIMATIC S5 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 6ES5436-4UA12

5.7 Digital Input Module 6ES5436-4UA11 and 6ES5436-4UA12 (acc. to UL/CSA Requirements)

Rated input voltage	115 to 240 V AC (47 to 63 Hz)
Number of inputs	16
Type of inputs	Floating, 2 groups of 8 inputs
Input voltage	
"0" signal	0 to 60 V AC
"1" signal	90 to 264 V AC
Rated input current	
at 115 V AC	typ. 15 mA
at 240 V AC	typ. 25 mA (2-wire BERO proximity switch can be connected)
Input frequency	max. 20 Hz as pulse train
Delay	
on positive-going edge	typ. 5 ms (2 to 15 ms)
on negative-going edge	typ. 20 ms (10 to 25 ms)
Input resistance	typ. 10 kohms
Diversity factor (number of inputs "On" simultaneously)	
with fan	100%
without fan	75% at 240 V AC; 100% at 35 °C; 100% at 115 V AC
Permissible length of cable	max. 600 m, unshielded; max. 1000 m, shielded

Power supply

Digital section from system bus	typ. 5 V, 100 mA

Enabling input (F+/F-) — Jumper in front connector

Safety test

Voltage test to VDE 0160	Group to group: 2000 V AC Group to ground: 1500 V AC
Impulse voltage test to IEC 255-4	Input of L-: U_S = 2.5 kV; 1.2/50 µs waveform
RIV (radio interference voltage) test to IEC 255-4	Input to L-: U_S = 2.5 kV; 1 MHz

Physical data

Dimensions (WxHxD)	40 mm x 255 mm x 195 mm (1.6 in x 10 in x 7.7 in)
Approx. weight	0.55 kg (1.2 lbs)