

8.4.6 6ES5 435-4UA12 Digital Input Module

Rated input voltage	24 to 60 V AC (47 to 63 Hz)
Number of inputs	16
Isolation	Yes, 2 groups of 8 inputs
Input voltage for logic 0 for logic 1	0 to 15 V AC 20 to 72 V AC
Rated input current bei AC 48 V bei AC 60 V	15 mA typical 20 mA typical
Input current for 2-wire BERO for logic 0 for logic 1	≤ 5 mA ≥ 10 mA
Input frequency	20 Hz max. as pulse train
Delay time for positive-going edge for negative-going edge	5 ms typical (2 to 15 ms) 20 ms typical (10 to 25 ms)
Input resistance	3 kohm typical
Coincidence factor (total load capability) ventilated not ventilated	100 % 75 % at 60 V; 100 % at 35 ° C; 100 % at 30 V
Permissible line length	600 m max. unshielded 1000 m max. shielded
Power supply	
Digital section from system bus	5 V, 100 mA typical
Power dissipation (rated operation)	3.5 W at 24 V, 18.0 W at 60 V
Enable input (F+/F-)	Jumper in front connector
Voltage test to VDE 0160	Between two groups: 2000 V AC; Between group and ground point: 1500 V AC
Mechanical specifications	
Dimensions (W x H x D)	40 mm x 255 mm x 195 mm
Weight	Approx. 0.55 kg

