MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6ES5456-4UA12

AC DIGITAL OUTPUT MODULE

Used with the applicable SIMATIC S5-135U/155U configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6ES5456-4UA12 technical data and applicable product instructions

8.4.14 6ES5 456-4UA12 Digital Output Module

Rated supply voltage L	115 to 230 V AC (47 to 63 Hz)
Number of outputs	16, conditional short-circuit protection [1]
Isolation	Yes, 2 groups of 8 outputs
Range for supply voltage	88 to 264 V AC
Fusing	6.3 A fast; 1 fuse per 4 outputs
Output voltage for logic 1 for logic 0	 L- 1.5 V min. 30 V max.
Residual current at logic 0	5 mA max.
Switching current (resistive, inductive load) ventilated not ventilated	 40 mA to 2 A; [2] 6 A max. per 4 outputs 40 mA to 1 A; [2] 4 A max. per 4 outputs
Switching current for lamps ventilated not ventilated	 40 mA to 2 A; 2.5 A max. per 4 outputs 40 mA to 1 A; 2.5 A max. per 4 outputs
Contactor size per fuse group for all outputs	 0 (Type 3TB40) to 14 (Type 3TB58) at 230 V AC; 00 (Type 3TJ ..) to 10 (Type 3TB54) at 115 V AC; 0 (Type 3TB40) to 8 (Type 3TB52) at 230 V AC; 00 (Type 3TJ ..) to 4 (Type 3TB48) at 115 V AC;
Max. inrush current for ≤ 3 ms ≤ 20 ms ≤ 50 ms	 25 A/fuse group 15 A/fuse group 13 A/fuse group
Permissible line length	300 m max. unshielded
Power supply	
Digital section from system bus	5 V, 100 mA typical
Power dissipation (rated operation)	39.0 W
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. 0.7 kg

1) Protected by a fuse
2) Contactors of Series 3TJ can only be operated at 115 V AC.