SIMADYN D SU10

Product Data Sheet

6DD1681-0FG0

SU10 Ribbon-Cable Terminal Interface

RIBBON CONNECTOR X1	SCREW/PLUG-IN TERMINALS X2	ASSIGNED SIGNAL TERMINALS	UNASSIGNED TERMINAL POSITIONS
26-core	**26**	**25**	**1**

Siemens 6DD1681-0FG0 is the SU10 terminal interface for SIMADYN D analog and binary signal connections. It converts the 26-core ribbon-cable connector X1 to the screw/plug-in terminal block X2 without electronically converting the signals. Of the twenty-six terminal positions, twenty-five are assigned signal connections and one is unassigned.

01 TECHNICAL DATA

Ribbon connector X1	26-core
Screw/plug-in terminals X2	26
Assigned signal terminals	25
Unassigned terminal positions	1
Signal mapping	1:1 between X1 and X2
Signal direction	Bidirectional
Maximum signal current	0.5 A
Additional galvanic isolation	None
Signal processing	None
X2 conductor cross-section	0.2 to 2.5 mm2

Siemens SIMADYN D Hardware, April 2011, section 8.9; SU10 identification, mapping and connection requirements.

02 ADDITIONAL PRODUCT DATA

SU10 provides a one-to-one connection between the ribbon connector and screw terminals, with signal flow possible in either direction. It introduces no additional electrical isolation or signal processing. The manufacturer gives a maximum signal current of 0.5 A, and the permissible voltage follows the connected equipment. X2 accepts conductor cross-sections from 0.2 to 2.5 mm2, and the interface can be mounted vertically or horizontally on a mounting rail.

03 PRODUCT FUNCTION

Use SU10 with the documented SIMADYN D cable and host-connector arrangement. The manual identifies SC49 for IT41 X6/X7 or IT42 X8, SC50 for IT42 X6 and SC51 for IT42 X7. Match the actual host connector rather than selecting a ribbon cable on pin count alone.

04 SYSTEM COMPATIBILITY

Wire X2 according to the one-to-one X1 mapping and leave the unassigned terminal position unused. Respect the 0.5 A signal-current limit and the voltage limits of the connected modules. SU10 supplies neither extra isolation nor signal conditioning for the connected circuits.

05 REFERENCE

Siemens SIMADYN D Hardware, April 2011, section 8.9; SU10 identification, mapping and connection requirements.

AMIKON PRODUCT SUPPORT

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