TWIDO MODULAR

Product Data Sheet

TWDLMDA20DRT

Modular programmable logic controller

DISCRETE INPUTS	RELAY OUTPUTS	TRANSISTOR OUTPUTS	SUPPLY VOLTAGE
12; 24 V DC source/sink	**6**	**2 sourcing**	**24 V DC nominal**

Schneider Electric TWDLMDA20DRT is a Twido modular programmable controller with twelve digital inputs, six relay outputs and two sourcing transistor outputs. Its mixed-output arrangement combines relay switching with electronic outputs in a compact 24 V DC base.

01 TECHNICAL DATA

Discrete inputs	12; 24 V DC source/sink
Relay outputs	6
Transistor outputs	2 sourcing
Supply voltage	24 V DC nominal
Allowable supply range	20.4–26.4 V DC
Maximum expanded input power	19 W at 26.4 V DC
Maximum expansion modules	7
Memory cartridge options	32 kB / 64 kB
Input current	5 mA on I0/I1/I6/I7; 7 mA on others
Input filter settings	None, 3 ms or 12 ms

Schneider Electric Twido Hardware Reference Guide 35011387, June 2011; modular base specifications.

02 ADDITIONAL PRODUCT DATA

Transistor current	0.3 A per output; 1 A per common
Relay current	2 A per output; 8 A per common
Relay contact resistance	30 mΩ maximum, initial
Relay mechanical endurance	20 million operations minimum
Operating temperature	0 to +55 °C

03 PRODUCT FUNCTION

The base accepts up to seven expansion I/O modules and supports optional memory, real-time-clock and communication accessories. Input filtering can be set to none, 3 ms or 12 ms, while the relay and transistor groups retain separate load and common-current limits.

04 SYSTEM COMPATIBILITY

Provide a 24 V DC source within 20.4–26.4 V and budget for the base plus installed expansion modules. The documented maximum arrangement supports seven I/O expansion modules and optional communication and memory accessories selected for the project.

05 REFERENCE

Schneider Electric Twido Hardware Reference Guide 35011387, June 2011; modular base specifications.

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