SLC 500

Product Data Sheet

1746-OB16

16-Point DC Sourcing Output Module

OUTPUT POINTS	POINTS PER COMMON	NOMINAL OUTPUT VOLTAGE	OPERATING VOLTAGE
16	**16**	**24 V DC**	**10–50 V DC, sourcing**

Allen-Bradley 1746-OB16 is an SLC 500 discrete output module with 16 sourcing transistor points. It switches externally powered DC loads through a common field supply and uses a removable terminal block.

01 TECHNICAL DATA

Output points	16
Points per common	16
Nominal output voltage	24 V DC
Operating voltage	10–50 V DC, sourcing
Backplane current at 5 V DC	280 mA
Backplane current at 24 V DC	0 mA
Maximum turn-on delay, resistive load	0.1 ms
Maximum turn-off delay, resistive load	1.0 ms
Off-state leakage	1 mA maximum
Minimum load current	1 mA

Rockwell Automation 1746-IN027D-EN-P, pp. 24, 37–38

02 ADDITIONAL PRODUCT DATA

Continuous current per point	0.50 A at 30 °C, 0.25 A at 60 °C
Continuous current per module	8 A at 30 °C, 4 A at 60 °C
On-state voltage drop	1.2 V maximum at 0.50 A
Surge current per point	3 A for 10 ms
Field termination	Removable terminal block

03 PRODUCT FUNCTION

The module operates over 10–50 V DC and is rated for up to 0.50 A continuously per point at 30 °C. At 60 °C the rating falls to 0.25 A per point and the aggregate module limit falls to 4 A.

04 SYSTEM COMPATIBILITY

Identify the shared sourcing common on the published wiring diagram. Use the specified suppression for inductive DC loads and assess field-power startup transients as part of the circuit design.

05 REFERENCE

Rockwell Automation 1746-IN027D-EN-P, pp. 24, 37–38

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