

SIMATIC ET 200PA SMART DO 32

Product Data Sheet

6ES7650-8EK80-0AA0

Digital Process Output Module

OUTPUT CHANNEL ALLOCATION	RATED OUTPUT VOLTAGE	RATED CHANNEL CURRENT	GROUP LOADING LIMITS
32 digital outputs in groups of eight	24 V DC	0.5 A	4 A at 40 deg C; 3 A at 60 deg C horizontal; 2 A at 40 deg C vertical

Siemens 6ES7650-8EK80-0AA0 is the standard DO 32x24VDC/0.5A output module for SIMATIC ET 200PA SMART. It switches compatible process loads within the configured distributed automation station.

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VERIFIED TECHNICAL DATA

Output channel allocation	32 digital outputs in groups of eight
Rated output voltage	24 V DC
Rated channel current	0.5 A
Group loading limits	4 A at 40 deg C; 3 A at 60 deg C horizontal; 2 A at 40 deg C vertical
Maximum output cable distances	1000 m shielded; 600 m unshielded
Permitted circuit potential difference	75 V DC / 60 V AC
Isolation test voltage	500 V AC / 707 V DC
Maximum backplane current	60 mA
Maximum no-load supply current	100 mA
Typical power loss	9.3 W

ADDITIONAL PRODUCT DATA

High-state output voltage	L+ minus 1.3 V
Permitted channel load range	5 mA to 0.6 A
Maximum off-state leakage	0.5 mA
Output response times	200 micros on; 300 micros off
Front connector contacts	40 pins

DOCUMENTED USE SETTINGS

Chemical Manufacturing and Continuous Process Automation: Chemical Production Process Automation.

Power Generation and Industrial Energy Production: Electric Power Generation Control.

Pharmaceutical Manufacturing and Batch Production: Pharmaceutical Batch Process Control.

SYSTEM COMPATIBILITY

Integrate 6ES7650-8EK80-0AA0 only in the documented SIMATIC ET 200PA SMART DO 32 configuration. Match the installed interfaces and the engineered application before selecting this digital process output module.

PRODUCT EVIDENCE

Siemens technical documentation for 6ES7650-8EK80-0AA0

AMIKON PRODUCT SUPPORT

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