AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-2DE16-0AA0

EM DE16 Digital Input Module

MODULE	INPUTS	GROUPS	SIGNAL
EM DE16	**16 digital**	**4**	**24 V DC**

Siemens 6ES7288-2DE16-0AA0 is the EM DE16 digital input expansion module for S7-200 SMART. It provides sixteen nominal 24 V DC sink/source inputs, arranged in four isolation groups, for a station that needs additional discrete signal acquisition rather than additional output channels.

01 VERIFIED TECHNICAL INFORMATION

Digital inputs	16
Input type	Sink/source; IEC Type 1 sink
Nominal input voltage	24 V DC
Continuous permissible input voltage	30 V DC maximum
Logic 1 minimum	15 V DC at 2.5 mA
Logic 0 maximum	5 V DC at 1 mA
Input isolation groups	4

Manufacturer evidence: S7-200 SMART System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Input filtering	0.2, 0.4, 0.8, 1.6, 3.2, 6.4 or 12.8 ms; selected in groups of four
Inputs on simultaneously	16
SM-bus current consumption	105 mA
Field input current	4 mA per input used
Power dissipation	2.3 W
Normal-input cable length	500 m shielded or 300 m unshielded maximum; observe installation guidance

03 SOURCE AND CONFIGURATION CHECKS

Group-selectable input filters support the configured response of the sixteen channels. The module draws logic power from the expansion bus and input current from the field circuits; these separate demands belong in the station power budget, alongside the documented grouping and wiring arrangement.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

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