AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-2DR16-0AA0

EM DR16 Relay I/O Module

MODULE	INPUTS	OUTPUTS	POINT LOAD
EM DR16	**8 digital**	**8 relays**	**2 A max.**

Siemens 6ES7288-2DR16-0AA0 is the EM DR16 mixed digital expansion module for S7-200 SMART. It combines eight nominal 24 V DC inputs with eight dry-contact relay outputs, giving the station both signal acquisition and relay switching in one expansion module.

01 VERIFIED TECHNICAL INFORMATION

Digital inputs	8, nominal 24 V DC
Digital outputs	8 dry-contact relay outputs
Input type	Sink/source; IEC Type 1 sink
Input isolation groups	2
Input filter settings	0.2, 0.4, 0.8, 1.6, 3.2, 6.4 or 12.8 ms; selected in groups of four
Relay output voltage range	5 to 30 V DC or 5 to 250 V AC
Output current per point	2 A maximum; observe load-type limits

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

02 TECHNICAL INFORMATION CONTINUED

Output current per common	8 A maximum
Output isolation groups	2
Output switching delay	10 ms maximum
Output overload protection	Not provided
Output behavior in STOP	Last value or substitute value; default substitute is 0
SM-bus current consumption	145 mA (S7-200 SMART manual V2.8)
Power dissipation	5.5 W
Relay coil current	11 mA per relay coil used, from 24 V DC (manual V2.8)

03 SOURCE AND CONFIGURATION CHECKS

The relay outputs support documented AC or DC load ranges and have separate point and common-group current limits. Grouped input filtering and configurable output behavior in STOP provide additional commissioning considerations, while the relay design remains distinct from the transistor-output DT16 variant.

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

+86-18020776786 INFO@AMIKON.CN

AMIKONG.COM