AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-2QR16-0AA0

EM QR16 Relay Output Module

MODULE	OUTPUTS	GROUPS	POINT LOAD
EM QR16	**16 relays**	**4**	**2 A max.**

Siemens 6ES7288-2QR16-0AA0 is the EM QR16 relay-output expansion module for S7-200 SMART. It provides sixteen dry-contact outputs for documented AC or DC switching ranges, with a maximum 2 A per point and no digital input channels.

01 VERIFIED TECHNICAL INFORMATION

Output channels	16
Output technology	Relay, dry contact
Switching voltage range	5 to 30 V DC or 5 to 250 V AC
Output current per point	2 A maximum
Lamp load rating	30 W DC / 200 W AC
Contact resistance	0.2 ohm maximum when new
Surge current	7 A with contacts closed

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

02 TECHNICAL INFORMATION CONTINUED

Overload protection	Not provided
Coil-to-contact isolation test	1500 V AC for 1 minute; no coil-to-logic isolation
Open-contact insulation test	750 V AC for 1 minute
Output isolation groups	4
Maximum switching delay	10 ms
Mechanical / rated-load relay life	10,000,000 no-load cycles / 100,000 rated-load cycles
Output behavior in STOP	Last value or substitute value; default substitute is 0
Output cable limits	500 m shielded; 150 m unshielded

03 SOURCE AND CONFIGURATION CHECKS

Four output isolation groups follow the actual common-terminal allocation, not four identical four-channel blocks. Configurable last-value or substitute-value behavior governs STOP operation, while relay loading, contact life and external suppression remain important checks because internal overload protection is not provided.

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

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