S800 I/O

Product Data Sheet

DO821

Relay digital output module

OUTPUT CHANNELS	CONTACT ARRANGEMENT	SWITCHING VOLTAGE	MAXIMUM CHANNEL CURRENT
8	**Normally closed relay**	**5-250 V AC/DC**	**3 A**

ABB DO821 is an eight-channel S800 digital output module with normally closed relay contacts. Each channel is individually isolated, with a documented switching range of 5-250 V AC/DC and a maximum 3 A channel rating.

01 TECHNICAL DATA

Output channels	8
Contact arrangement	Normally closed relay
Switching voltage	5-250 V AC/DC
Maximum channel current	3 A
Channel isolation	Individual, channel-to-channel and common
Rated insulation voltage	250 V
Dielectric test voltage	2000 V AC
Power dissipation	2.9 W typical
5 V ModuleBus current	60 mA
24 V ModuleBus current	140 mA

02 ADDITIONAL PRODUCT DATA

Maximum field cable length	600 m
Relay power supervision	24/12 V converter monitor
Mechanical keying	CA
Operating temperature	0 to +55 deg C
Ingress protection	IP20

03 PRODUCT FUNCTION

The module includes relay-power converter supervision, channel status indications and mechanical keying code CA. Compatible termination units determine the field connection and any current-limiting arrangement; a normally open relay module does not provide the same contact behavior.

04 SYSTEM COMPATIBILITY

The module includes relay-power converter supervision, channel status indications and mechanical keying code CA. Compatible termination units determine the field connection and any current-limiting arrangement; a normally open relay module does not provide the same contact behavior.

05 REFERENCE

ABB Compact Product Suite Catalog 3BSE062980; exact-model ABB hardware-selector specifications

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