3701/55 ADAPT ESD RELAY

Product Data Sheet

3701/55 323073-01

Emergency shutdown relay output module

TRIP CHANNELS	ADDITIONAL FAULT RELAY	CH1/2 VOTING	CH3/4 VOTING
Four	**One protection-fault contact**	**Independent 1oo1 or TMR 2oo3**	**Independent 1oo1**

Bently Nevada 3701/55 323073-01 is the standard four-channel relay output module for the ADAPT ESD platform. It includes four trip contacts plus a fifth protection-fault contact. Channels 1 and 2 support independent or two-out-of-three voting, while channels 3 and 4 operate independently.

01 TECHNICAL DATA

Trip channels	Four
Additional fault relay	One protection-fault contact
CH1/2 voting	Independent 1oo1 or TMR 2oo3
CH3/4 voting	Independent 1oo1
Contact arrangement	SPDT
Field contact selection	Normally open or normally closed
Trip energization	Energize or de-energize to trip
Nominal transition time	8 ms
Minimum switching load	12 V DC; 100 mA
Standard AC maxima	5 A; 250 V AC; 1500 VA

02 ADDITIONAL PRODUCT DATA

Standard DC maxima	5 A; 250 V DC; 150 VA
Relay health indicator	Green OK; off Not-OK; 2 Hz unconfigured
Channel indicator	Red tripped; 2 Hz voltage-check failure
Operating temperature	-30 to +65 degC
Storage temperature	-45 to +85 degC

03 PRODUCT FUNCTION

The SPDT trip contacts can be configured for normally open or normally closed connections and energized or de-energized trip behavior. Nominal transition time is 8 ms with a minimum switched load of 12 V DC at 100 mA. Contact limits change for hazardous-area and SIL arrangements, so the general maximum ratings do not replace those installation restrictions.

04 SYSTEM COMPATIBILITY

Configure channels 1/2 for independent or 2oo3 logic and channels 3/4 for independent voting as required by the trip design. Select contact polarity and energization deliberately, observing the load and area-specific voltage, current and power limits together.

05 REFERENCE

Bently Nevada 3701/55 ADAPT ESD, 100M8833 Rev. L.

AMIKON PRODUCT SUPPORT

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