3500/33 16-CHANNEL RELAY

Product Data Sheet

3500/33-01-01

Sixteen-channel standard relay assembly

RELAY CHANNELS	OUTPUT EXECUTION	APPROVAL OPTION	TYPICAL POWER CONSUMPTION
16	**01: standard relay output**	**01: cNRTLus Class I Division 2**	**5.8 W**

Bently Nevada 3500/33-01-01 is a 16-channel relay assembly for the 3500 rack. Its standard relay execution provides independently configurable alarm-drive voting logic derived from monitor-channel Alert, Danger and Not-OK states. Option 01 identifies the cNRTLus Class I Division 2 approval selection.

01 TECHNICAL DATA

Relay channels	16
Output execution	01: standard relay output
Approval option	01: cNRTLus Class I Division 2
Typical power consumption	5.8 W
Contact arrangement	SPDT
Relay sealing	Epoxy sealed
Arc suppressor	250 Vrms; installed as standard
Contact life	10000 cycles
Energization selection	NE or ND in four groups of four
Logic operators	AND and OR

02 ADDITIONAL PRODUCT DATA

Alarm sources	Alert, Danger and Not-OK
Configuration software	3500 Rack Configuration Software
Minimum switched load	100 mA at 5 V DC
Hazardous-area DC limit	5 A maximum; 30 V DC maximum
Rack occupancy	One full-height front and one rear slot

03 PRODUCT FUNCTION

The assembly uses epoxy-sealed SPDT contacts and four switch-selectable groups of four channels for normally energized or normally de-energized operation. Typical consumption is 5.8 W. Standard contacts require a minimum switched load of 100 mA at 5 V DC; hazardous-area installations are limited by the applicable 30 V DC contact rating.

04 SYSTEM COMPATIBILITY

Set the NE/ND switches for each four-channel group against the approved trip philosophy. For this standard-contact execution, respect the minimum 100 mA at 5 V DC load and the hazardous-area DC contact limits rather than transferring nonhazardous AC ratings.

05 REFERENCE

Bently Nevada 3500/33 16-Channel Relay Module, 162301 Rev. AC.

AMIKON PRODUCT SUPPORT

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