

Certificate



No.: 968/EZ 323.04/16

| | | | |
|------------------------------|---|---------------------------|--|
| Product tested | 3500/33 and /32M Relay Controller Modules with 3500/33 or /32 Relay Output Modules | Certificate holder | Bently Nevada Inc. 1631 Bently Parkway South Minden, NV 89423 USA |
| Type designation | Controller Modules: 3500/33, 3500/32M Relay Modules: 3500/33, 3500/32 See page 2 of the certificate for details of certified versions | | |
| Codes and standards | IEC 61508 Parts 1-7:2010 | IEC 61131-2:2007 | |
| Intended application | The 3500/33 and /32M Relay Controller Modules with 3500/33 or /32 Relay Output Modules are designed for machinery protection applications. The safety function is to drive the trip relays commanded by the related safety monitors (e.g. 3500/42). The de-energized state has to be the safe state to indicate a fault and trip condition. The following SIL ratings are achieved: <ul style="list-style-type: none">• SIL 1 at single relay configuration,• SIL 2 at redundant relay configuration | | |
| Specific requirements | The safety manual as well as the installation, operation and maintenance instructions shall be considered. | | |

Valid until 2021-09-12


The issue of this certificate is based upon an examination, whose results are documented in Report No. 968/EZ 323.04/16 dated 2016-09-12.

This certificate is valid only for products which are identical with the product tested. It becomes invalid at any change of the codes and standards forming the basis of testing for the intended application.

TÜV Rheinland Industrie Service GmbH
Bereich Automation
Funktionale Sicherheit
Am Grauen Stein, 51105 Köln

Köln, 2016-09-12

Certification Body Safety & Security for Automation & Grid


Dipl.-Ing. Stephan Häb

Safety related modules / components

| Type Designation | Description | HW / FW Revision |
|-----------------------|--|------------------|
| 3500/32M_SIL1 | 3500/32M SIL1 4-Channel Relay Module | H / 3.3 |
| 3500/32M_SIL2 | 3500/32M SIL2 4-Channel Relay Module | E / 3.3 |
| 3500/32M_SIL1-A01-BXX | 3500/32M SIL1 4-Channel Relay I/O Module | AB / N/A |
| 3500/32M_SIL2-A01-BXX | 3500/32M SIL2 4-Channel Relay I/O Module | AB / N/A |
| 3500/33_SIL1 | 3500/33 SIL1 16-Channel Relay Module | H / 3.3 |
| 3500/33_SIL2 | 3500/33 SIL2 16-Channel Relay Module | F / 3.3 |
| 3500/33_SIL1-A01-BXX | 3500/33 SIL1 16-Channel Relay I/O Module | N / N/A |
| 3500/33_SIL2-A01-BXX | 3500/33 SIL2 16-Channel Relay I/O Module | N / N/A |
| 3500/33_SIL1-A02-BXX | 3500/33 SIL1 16-Channel Relay Fail Safe I/O Module | E / N/A |
| 3500/33_SIL2-A02-BXX | 3500/33 SIL2 16-Channel Relay Fail Safe I/O Module | E / N/A |

XX = 00, 01 or 02

The revisions were agreed between the manufacturer and the certification body.