

Certificate of Compliance

Certificate Number **20111219-E44653**
Report Reference **E44653-19980908**
Issue Date **2011-DECEMBER-19**

Page 1 of 4



Issued to: **SIEMENS AG**
I IA CE CP R&D-VI 4
WERNER-VON-SIEMENS-STRASSE 48
92220 AMBERG GERMANY

This is to certify that representative samples of **AUXILIARY DEVICES**


Safety Relays, Type No. 3TK28 followed by 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 34 or 35 followed by -1 or -2, followed by A, B or C, followed by B2, B3, B4, J2, L2 or W3, followed by 0, 1, 2 or 4.

Have been investigated by Underwriters Laboratories in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Industrial Control Equipment: UL 508 and CSA-C22.2 No. 14

Additional Information: See UL On-line Certification Directory at WWW.UL.COM for additional information.

Only those products bearing the UL Listing Mark for the US and Canada should be considered as being covered by UL's Listing and Follow-Up Service meeting the appropriate requirements for US and Canada.

The UL Listing Mark for the US and Canada generally includes: the UL in a circle symbol with "C" and "US" identifiers:  the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product

William R. Carney
Director, North American Certification Programs

Underwriters Laboratories Inc.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

For questions, please contact a local UL Customer Service Representative at <http://www.ul.com/global/eng/pages/corporate/contactus>

Certificate of Compliance

Certificate Number **20111219-E44653**
Report Reference **E44653-19980908**
Issue Date **2011-DECEMBER-19**

Page 2 of 4



This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

GENERAL:

These devices are safety relays for use in industrial applications with relay output.

RATINGS:

Input: Control voltage 24 V dc, 24-230 V ac, 24 V ac/dc or 24-240 V ac/dc

Output: B300, R300 (pilot duty) for relay outputs
24 V dc/ 0.5 A for electronic outputs

3TK2826 only: Max. 3A (pilot duty) for relay outputs
Ambient Temperature 60°C

ADDITIONAL RATINGS

Output Ratings for non delayed NO contacts only:

Definite Purpose: AC Resistance Air Heating, 240 V, 6 A, 100,000 cycles
DC Resistance Air Heating, 24 V, 6 A, 100,000 cycles

Output Ratings for non delayed NC contacts only:

Definite Purpose: AC Resistance Air Heating, 240 V, 6 A, 100,000 cycles

William R. Carney
Director, North American Certification Programs

Underwriters Laboratories Inc.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

For questions, please contact a local UL Customer Service Representative at <http://www.ul.com/global/eng/pages/corporate/contactus>

Certificate of Compliance

Certificate Number **20111219-E44653**
Report Reference **E44653-19980908**
Issue Date **2011-DECEMBER-19**

Page 3 of 4



NOMENCLATURE BREAKDOWN:

3TK28	21	-	I	A	B2	0
I	II		III	IV	V	VI

- I. Basic Type
3TK28 - Safety Relays, Series SIGUARD
- II. Function
 - 20 - Basic unit, Automatic Start, Control Start switchable,
 - 21 - Basic unit, one channel, 3 NO + 1 NC
 - 22 - Basic unit, two channel, 2 NO, Automatic Start
 - 23 - Basic unit, two channel, 2 NO, Controlled Start
 - 24 - Basic unit, one channel, 2 NO
 - 25 - Basic unit, two channel, 3 NO + 2 NC
 - 26 - Multi function device, 4 NO + 1 NC + 2 electronic output or 1 alarm contact
 - 27 - Basic unit, two channel, 2 NO + 1 NC + 2 NO delayed-break, Controlled Start
 - 28 - Basic Unit, two channel, 2 NO + 1 NC + 2 NO delayed-break, Automatic Start
 - 30 - Extension unit, 4 NO + NC
 - 34 - Press control unit, two-hand control relay
 - 35 - Press control unit, press overrun relay
- III. Type of Terminals
 - 1 - Screw terminals
 - 2 - Cage clamp terminals
- IV. Type of Operation
 - A - ac operated
 - B - dc operated
 - C - ac/dc operated

William R. Carney
Director, North American Certification Programs

Underwriters Laboratories Inc.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

For questions, please contact a local UL Customer Service Representative at <http://www.ul.com/global/eng/pages/corporate/contactus>

Certificate of Compliance

Certificate Number **20111219-E44653**
Report Reference **E44653-19980908**
Issue Date **2011-DECEMBER-19**

Page 4 of 4



- V. Operating Voltage
- B2 - 24 V ac
 - B3 - 24 V ac/dc
 - B4 - 24 V dc
 - J2 - 115 V ac
 - L2 - 230 V ac
 - W3 - 24-240V ac/dc
- VI. Time ranges
- 0 - non delayed or 0.5 - 30 sec delay time
 - 1 - 0.05 - 3 sec delay time
 - 2 - 0.5 - 3 sec delay time
 - 4 - 5 - 300 sec delay time

William R. Carney
Director, North American Certification Programs

Underwriters Laboratories Inc.

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

For questions, please contact a local UL Customer Service Representative at <http://www.ul.com/global/eng/pages/corporate/contactus>