

TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	12 048 - 98 HH
Company	Siemens AG DF FA AS SIMATIC Type Test Werner-von-Siemens-Str. 50 92224 Amberg, GERMANY
Product Description	PLC LOGO!... 24R, 24RC, 230, 230RC, 230RCE, 12/24RC, 12/24RCE, 12/24RCo, 24, 24C, 24o, 24Co, 24RCo, 230RCo, 24L, 12/ 24/ 230RCL, 24/ 230RCLB11, DM., AM., TD., 24CE., 24RC., 12/24RCE., 230RCE.
Type	6ED1-052-1Cxx, -052-2Cxx, -052-1Hxx, -052-1FAx, -052-1FBx, -056-1Ax, -052-1Mxx, -052-2Mxx, -052-2Hxx, -052-2Fxx, -053-1Bxx, -053-1Hxx, -053-1Fxx, -055-1..., -055-4..., 6ED1 052- ...
Environmental Category	C, EMC1*; EMC2
Technical Data / Range of Application	Power supply: 24V DC, 115V AC or 230V AC, 24V AC/DC (only TD.-Text Display) Inputs: 6 or 8 digital inputs, connected to the power supply Inputs: 6 digital inputs and 2 DI or 2 AI, connected to the power supply (12/24RC, 12/24RCo, 24...) 230RCE: Input 8DI; Output 4 DI (Relay) 12/24RCE: Input 8DI or 4DI/4AI; Output 4 DI (Relay) Inputs: 12 digital inputs, connected to the power supply Outputs: 4 digital open collector outputs 24 V , 0.3 A (LOGO! 24...) Outputs: 4 separate n/o relay contacts Outputs: 8 digital open collector outputs 24 V , 0.3 A (LOGO! 24L) Outputs: 8 separate n/o relay contacts Contact rating: max. 10 A, 250 V AC, 1000 W
	Software Version: FW-Rev. V1.x
Test Standard	GL-Guidelines for the Performance of Type Approvals VI-7-2 Edition 2012 Regulations for the Use of Computers and Computer Systems.
Documents	Manual and Documents: CD-ROM dated 06-05-1998; Test report: AUT7 - B8.4P - 9606 and 01049WZs dated 10-05-2001; 03023WZs dated 11-03-2003; EMC03-M394 dated 09-05-2003, A&D AS RD ST Type Test-01/05 dated 18-01-2005, I IA AS RD ST Type Test 03/09 and 04/2010 dated 03-05-2010
Remarks	This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007.

Valid until **2018-09-17**

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File No. **I.B.07**

Hamburg, 2015-03-23

Type Approval Symbol




Marco Rinkel


Andrea Grün

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PLC LOGO! 24CE, 24CEo, 24RCE, 24RCEo, 12/24RCE, 12/24RCEo, 230RCE, 230RCEo:
 6ED1 052-1CC01-0BA8 LOGO! 24CE, 8DI(4AI)/4DQ
 6ED1 052-2CC01-0BA8 LOGO! 24CEo, 8DI(4AI)/4DQ
 6ED1 052-1HB00-0BA8 LOGO! 24RCE, 8DI/4DQ
 6ED1 052-2HB00-0BA8 LOGO! 24RCEo, 8DI/4DQ
 6ED1 052-1MD00-0BA8 LOGO! 12/24RCE, 8DI(4AI)/4DQ
 6ED1 052-2MD00-0BA8 LOGO! 12/24RCEo, 8DI(4AI)/4DQ
 6ED1 052-1FB00-0BA8 LOGO! 230RCE, 8DI(4AI)/4DQ
 6ED1 052-2FB00-0BA8 LOGO! 230RCEo, 8DI(4AI)/4DQ

LOGO!SoftComfort Version 3.x LOGO!UserManual A5E00119090-01
 LOGO!SoftComfort Version 4.x LOGO!UserManual A5E00228104-01
 LOGO!SoftComfort Version 5.x LOGO!UserManual A5E00380834-01
 LOGO!SoftComfort Version 6.x LOGO!UserManual A5E01248535-01
 LOGO!SoftComfort Version 7.x LOGO!UserManual A5E03556174-01
 LOGO!SoftComfort Version 8.x LOGO! Manual A5E33039675dated 06/2014

Tests and evidence according Requirement class 3

Degree of Protection: IP 20

LOGO! xxxC = 6ED1-052-xxx / -053- xxx with internal clock
 6ED1-056-1Ax: memory module

LOGO! (extension Module):

6ED1 055-1CB0X	DM8 24	24 VDC	Inputs: 4 DI	Outputs : 4 DO
6ED1 055-1Hxx	DM8 24R	24 V DC	Inputs: 4 DI	Outputs : 4 DO relays
6ED1 055-1MBx	DM8 12/24R	12/24 V DC	Inputs: 4 DI	Outputs : 4 DO relays
6ED1 055-1FB0X	DM8 230R	115/230 V AC/DC	Inputs: 4 DI	Outputs : 4 DO relays
6ED1 055-1Max	AM2	12/24 V DC	Inputs: 2 AI	
6ED1 055-1MDx	AM2 PT 100	12/24 V DC	Inputs: 2 x PT100	2-wire or 3-wire
6ED1 055-1MDx	AM2 RTD	12/24 V DC	Inputs: 2 x PT100/PT1000	

6ED1055-1FB1X	DM16 230R	115/230 V AC/DC	Inputs: 8 DI	Outputs : 8 DO relays
6ED1 055-1Nxx	DM16 24R	24 V DC	Inputs: 8 DI	Outputs : 8 DO relays
6ED1 055-1CB1X	DM16 24	24 VDC	Inputs: 8 DI	Outputs : 8 DO
6ED1 055-1MMx	AM2 AQ	24 V DC		Outputs: 2 AO

LOGO! Text Display:

6ED1 055-4MHxx	TDE	24 V AC/DC
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Additional Documents:

UserManual A5E00119090-01; ,

Software Questionnaire according Requirement Class 3 dated 06-05-1998LOGO!

Test Reports: S36288-00-00AV and S36290-00-00AV dated 13-09-2012;

E36292-00-00BS and E36293-00-00BS dated 07-09-2012;

I IA AS RD ST Type Test - dated 2012-01

SIMATIC Type Test-2014-01 dated 06-03-2015

Remarks:

*LOGO! fulfil the EMC requirements for EMC2 (General Power Distribution Zone)

Exception: LOGO! -OBA8 series + expansion modules -OBA2 series

may be used in EMC1 (bridge and deck zones) with filter B84113-C-B30 (or equivalent)

24V power supply lines are to be protected by DEHN Blitzductor order no. 918 402 or equivalent. All 12/24xxx modules only to be used with 24V DC power supply.

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