

INTERNATIONAL STANDARD

NORME INTERNATIONALE



**Time relays and coupling relays for industrial and residential use –
Part 1: Requirements and tests**

**Relais temporisés et relais de couplage pour applications industrielles et
résidentielles –
Partie 1: Exigences et essais**



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CONTENTS

FOREWORD.....	6
1 Scope.....	8
2 Normative references	8
3 Terms and definitions	10
3.1 Terms and definitions related to general terms.....	10
3.2 Terms and definitions of time relay types	15
4 Classification.....	22
4.1 Switching element.....	22
4.2 Mechanical construction.....	22
4.3 Device mounting	22
4.4 Connection	22
4.5 Environment	22
5 Influence quantities	22
6 Rated values	23
6.1 General.....	23
6.2 Input voltage and frequency	23
6.3 Release voltage	24
6.4 Power consumption.....	24
6.5 Output circuit	24
6.5.1 General	24
6.5.2 Electromechanical output circuit	24
6.5.3 Solid state output circuit	25
6.5.4 Endurance and operating frequency	25
6.5.5 Conditional short-circuit current	26
6.6 Ambient temperature.....	26
6.7 Transport and storage temperature	26
6.8 Humidity	26
6.9 Pollution degree.....	26
6.10 Altitude	26
6.11 Timing circuit function	26
6.11.1 General	26
6.11.2 Setting accuracy.....	27
6.11.3 Repeatability	27
6.11.4 Recovery time and minimum control impulse	27
7 Provisions for testing	27
7.1 General.....	27
7.2 Type test.....	27
7.3 Routine test	28
7.4 Sampling test.....	29
8 Documentation and marking	29
8.1 Data.....	29
8.2 Marking.....	32
9 Heating.....	32
9.1 General.....	32
9.2 Test conditions	33
9.3 Heating of terminals.....	33

9.3.1	General	33
9.3.2	Heating of screw terminals and screwless terminals	33
9.3.3	Heating of quick-connect terminations	34
9.3.4	Heating of sockets	34
9.3.5	Heating of alternative termination types	35
9.4	Heating of accessible parts	35
9.5	Ball pressure test	35
10	Basic operating function	36
10.1	General	36
10.2	Operate	36
10.3	Release	36
10.4	Time function	36
10.4.1	General	36
10.4.2	Functional test at reference values of input quantities	36
10.4.3	Effect of influence of voltage and temperature	37
11	Dielectric strength and impulse withstand	37
11.1	General	37
11.2	Preconditioning	37
11.3	Insulation test	38
11.3.1	General	38
11.3.2	Impulse withstand test	38
11.3.3	Dielectric AC power frequency voltage test	39
12	Electrical endurance	40
12.1	General	40
12.2	Resistive loads, inductive loads, and special loads	40
12.3	Low energy loads	40
13	Conditional short-circuit current of an output circuit	41
13.1	General	41
13.2	Test procedure	41
13.3	Test circuit electromechanical output circuit	41
13.4	Test circuit solid state output circuit	42
13.5	Condition of switching element after test	42
14	Insulation coordination and protection against electric shock	43
14.1	General	43
14.2	Clearances and creepage distances	43
14.2.1	General	43
14.2.2	Clearances	44
14.2.3	Creepage distances	44
14.3	Solid insulation	45
14.4	Protection against direct contact	46
15	Mechanical strength	46
15.1	General	46
15.2	Mechanical strength of terminals and current-carrying parts	46
15.2.1	General	46
15.2.2	Mechanical strength of screw terminals and screwless terminals	46
15.2.3	Mechanical strength of flat quick-connect terminations	46
15.2.4	Mechanical strength of sockets	47
15.2.5	Mechanical strength of alternative termination types	47

16	Heat and fire resistance.....	47
16.1	General.....	47
16.2	Glow-wire test.....	47
17	Vibration and shock.....	48
17.1	Vibration.....	48
17.2	Shock.....	48
18	Electromagnetic compatibility (EMC).....	49
18.1	General.....	49
18.2	Immunity.....	49
18.3	Radiated and conducted emission.....	49
19	Cybersecurity for industrial automation and control systems (IACS).....	50
20	Environmental information.....	50
20.1	Environmentally conscious design process.....	50
20.2	Procedure to establish material declaration.....	50
Annex A (informative) Setting accuracy, repeatability and effect of influence calculation.....		51
A.1	General.....	51
A.2	Example of calculation.....	51
Annex B (informative) Risk assessment.....		52
B.1	General.....	52
B.2	Risk assessment procedure.....	52
B.3	Achieving tolerable risk.....	53
B.4	Application of risk assessment procedures (proposal for the user).....	57
Annex C (normative) Tests for EMC.....		58
C.1	General.....	58
C.2	EMC immunity.....	58
C.2.1	General.....	58
C.2.2	Performance criteria.....	58
C.3	EMC radiated and conducted emission.....	62
C.3.1	General.....	62
C.3.2	Conducted radio-frequency emission tests.....	62
C.3.3	Radiated radio-frequency emission tests.....	62
Bibliography.....		63
Figure 1 – Definition of ports.....		13
Figure 2 – Power ON-delay relay.....		15
Figure 3 – Power OFF-delay relay.....		15
Figure 4 – OFF-delay relay with control signal.....		16
Figure 5 – ON- and OFF-delay relay with control signal.....		16
Figure 6 – Flasher relay.....		17
Figure 7 – Star-delta relay.....		18
Figure 8 – Summation time relay.....		18
Figure 9 – Pulse delayed relay.....		19
Figure 10 – Pulse delayed relay with control signal.....		19
Figure 11 – Interval relay.....		20
Figure 12 – Interval relay with control signal.....		20

Figure 13 – Retriggerable interval relay with control signal ON	21
Figure 14 – Retriggerable interval relay with control signal OFF	21
Figure 15 – Maintained time relay	22
Figure 16 – Test circuit electromechanical output, conditional short-circuit current	42
Figure 17 – Test circuit solid state output, conditional short-circuit current.....	42
Figure B.1 – Iterative process of risk assessment and risk reduction.....	53
Figure B.2 – Risk reduction.....	55
Figure B.3 – Example of the time relay circuit block diagram.....	56
Table 1 – Influence quantities and reference values.....	23
Table 2 – Preferred values of endurance	25
Table 3 – Preferred values of maximum permissible operating frequency.....	25
Table 4 – Recommended final values of the setting range.....	27
Table 5 – Type testing	28
Table 6 – Routine testing	29
Table 7 – Required time relay or coupling relay information	29
Table 8 – Thermal classification.....	32
Table 9 – Cross-sectional areas and lengths of conductors dependent on the current carried by the terminal	34
Table 10 – Maximum steady state current dependent on the connector size	34
Table 11 – Temperature rise limits of accessible parts	35
Table 12 – Changing of influencing quantities	37
Table 13 – Impulse test for basic insulation	39
Table 14 – Dielectric test voltage for basic insulation for devices suitable for use in single-phase three- or two-wire AC and DC systems.....	39
Table 15 – Dielectric test voltage for basic insulation for devices suitable for use in three-phase four or three-wire AC systems	40
Table 16 – Minimum clearances for basic insulation.....	44
Table 17 – Minimum clearances in controlled overvoltage conditions	44
Table 18 – Minimum creepage distances for basic insulation	45
Table A.1 – Calculation formulae	51
Table B.1 – Examples of the relation between failure mode, consequences and hazard.....	56
Table B.2 – Severity of harm.....	57
Table B.3 – Probability of harm.....	57
Table B.4 – Risk category	57
Table C.1 – Environmental conditions influencing EMC.....	58
Table C.2 – Immunity tests for industrial environments	60
Table C.3 – Immunity tests for residential, commercial and light-industrial environments	61
Table C.4 – Terminal disturbance voltage limits for conducted radio-frequency emission (for power port)	62
Table C.5 – Radiated emission test limits.....	62

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TIME RELAYS AND COUPLING RELAYS FOR
INDUSTRIAL AND RESIDENTIAL USE –****Part 1: Requirements and tests****FOREWORD**

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IEC 61812-1 has been prepared by IEC technical committee 94: Electrical relays. It is an International Standard.

This third edition cancels and replaces the second edition published in 2011. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) update of references;
- b) addition of requirements for risk assessment;
- c) addition of requirements for routine test;
- d) renumbering of clauses to bring them into a more logical order;
- e) clarification of the requirement for shock;
- f) addition of cybersecurity requirements for industrial automation and control systems;

- g) addition of environmentally conscious design requirement;
- h) addition of common data dictionary reference;
- i) addition of terms and definitions of relay types;
- j) addition of coupling relays in title;
- k) addition of coupling relays in scope.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
94/843/FDIS	94/889/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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