



SLOVENSKI STANDARD

SIST EN 50012:1998

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Low-voltage switchgear and controlgear for industrial use - Terminal marking and distinctive number for auxiliary contacts of particular contactors

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Industrielle Niederspannungs-Schaltgeräte - Anschlußbezeichnungen und Kennzahlen für Hilfsschaltglieder von bestimmten Schützen

Appareillage industriel à basse tension - Marquage des bornes et nombre caractéristique pour les contacts auxiliaires de contacteurs particuliers

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English version

Low voltage switchgear and controlgear for industrial use

Terminal marking and distinctive number for auxiliary contacts of particular contactors

Appareillage industriel à basse tension.
Marquage des bornes et nombre caractéristique
pour les contacts auxiliaires de contacteurs
particuliers

Industrielle Niederspannungs-Schaltgeräte.
Anschlussbezeichnungen und Kennzahlen
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CENELEC

European Committee for Electrotechnical Standardization
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Foreword

Contactors auxiliary contacts may be given a distinctive number and terminal marking in accordance with the General rules, EN 50 005. On this basis, it is desirable to lay down more detailed rules for auxiliary contacts of particular contactors, such as those defined in clause 1.

1. Scope

This standard applies to contactors according to IEC-Standard 158-1, irrespective of their power and construction, having terminal marking of auxiliary contacts in accordance with the corresponding marking of contactor relays designated by the distinctive letter E (see EN 50 011).

The use of this standard is recommended where terminal marking is a requirement of the relevant standard for contactor auxiliary contacts, or is usual practice.

2. Terminal marking rule

The auxiliary contact terminal marking of a contactor is formed, in principle, by two figures.

2.1 Function number. The unit number is a function number, i.e.

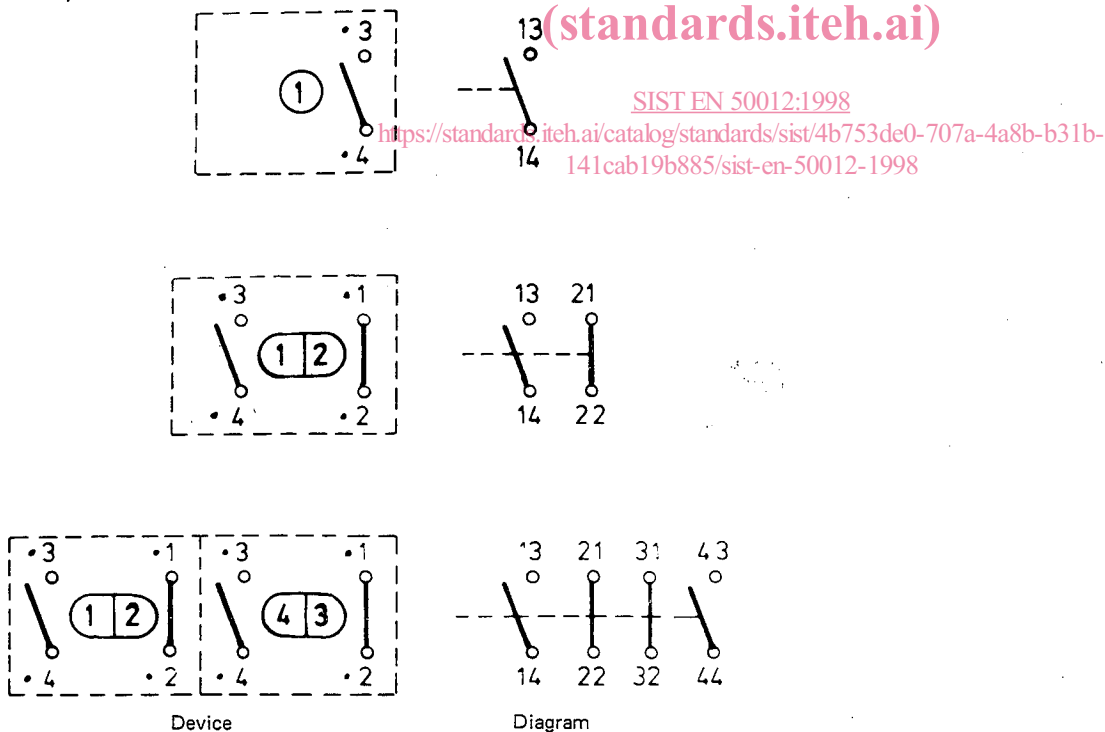
- 1 – 2 for break-contacts;
- 3 – 4 for make-contacts.

2.2 Sequence number. The figure of the tens is a continuous sequence number beginning with 1 (except for contactors designated 01), independently of the contact function.

The terminals belonging to the *same* contact are marked with the *same* sequence number.

The sequence number may be omitted from the terminal marking only if additional information provided by the manufacturer or the user clearly gives such number.

Examples



NOTE: The dots before the function number shown in these examples are used merely to show the relationship, and do not need to be used in practice.

3. Distinctive number

The quantity and type of contactor auxiliary contact elements according to this standard are indicated by a distinctive number.

In accordance with EN 50 005, clause 6, the first figure of the distinctive number gives the quantity of make-contact elements and the second figure the quantity of break-contact elements.

4. Terminal numbering sequence

For the auxiliary contacts of contactors having the same distinctive number, the terminal marking are indicated according to table 1.

The position of the auxiliary contact elements on the contactor may not correspond to that shown on the diagram of table 1.

Table 1. Diagrams of auxiliary contacts of contactors

Coil	Main contacts	Distinctive number	Auxiliary contacts	Distinctive number	Auxiliary contacts	Distinctive number	Auxiliary contacts
		10				01	
		11					
		21		12			
		31		22		13	
		41		32		23	