BSI Standards Publication

Low-voltage switchgear and controlgear - Control switches - Position switches 30 × 55 - Dimensions and characteristics

National foreword

This British Standard is the UK implementation of EN 50047:2019. It supersedes BS 6520:1984, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/121/1, Low voltage switchgear and controlgear.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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English Version

Low-voltage switchgear and controlgear - Control switches - Position switches 30 × 55 - Dimensions and characteristics

Appareillage à basse tension - Auxiliaires de commande - Interrupteurs de position 30x55 - Dimensions et caractéristiques

Niederspannungs-Schaltgeräte - Hilfsstromschalter - Positionsschalter 30x55 - Maße und Kennwerte

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European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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European foreword

This document (EN 50047:2019) has been prepared by CLC/TC 121A “Low-voltage switchgear and controlgear”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2020-05-06
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2020-11-06

This document supersedes EN 50047:1981.

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1 Scope

This document applies to certain position switches with automatic return actuator, the standardized dimensions of which and the characteristics necessary for their application are given below.

A larger size (42,5x80) is standardized in EN 50041.

This document includes four types of position switches with the following actuator types:

– roller lever actuator (form A);

– rounded plunger actuator (form B);

– roller plunger actuator (form C);

– roller lever arm (form E).

This document is covering devices fitted with either independent (snap) action contact elements, designated (1), or dependent (slow make and break), designated (2) in Clause 5.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 60947-1:2007, *Low-voltage switchgear and controlgear - Part 1: General rules*

EN 60947-1:2007/A1:2011, *Low-voltage switchgear and controlgear - Part 1: General rules*

EN 60947-5-1:2017, *Low-voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices*

3 Terms and definitions

For the purposes of this document, the following terms and definitions given in EN 60947-5-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

3.1
enclosure
part providing a specified degree of protection of equipment against certain external influences and a specified degree of protection against approach to or contact with live parts and moving parts

3.2
operating point
position of the actuator in which the contact state changes when the position switch is activated

3.3
reset point
position of the actuator in which the contact state changes when the position switch is deactivated