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मानक

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IS 15049 (2002): Photography - Handheld Cameras - Flash
Connector Dimensions [MED 32: Photographic Equipment]



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“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

फोटोग्राफी — हाथ वाले कैमरे — फ्लैश कनेक्टर आयाम

Indian Standard

PHOTOGRAPHY — HANDHELD CAMERAS —
FLASH CONNECTOR DIMENSIONS

ICS 37.040.10

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BUREAU OF INDIAN STANDARDS
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NATIONAL FOREWORD

This Indian Standard which is identical with ISO 519 : 1992 'Photography — Hand-held cameras — Flash-connector dimensions' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendations of the Photographic Equipment Sectional Committee and approval of the Mechanical Engineering Division Council.

The text of ISO Standard has been approved as suitable for publication as Indian Standard without deviations. In the adopted standard certain conventions are not identical to those used in Indian Standards. Attention is especially drawn to the following:

- a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a full point (.) as the decimal marker.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

PHOTOGRAPHY — HANDHELD CAMERAS — FLASH CONNECTOR DIMENSIONS

1 Scope

This International Standard specifies flash-connector dimensions for hand-held cameras.

2 Dimensions

The flash-connector dimensions shall be as shown in figure 1 and given in table 1.

To accommodate some freedom in design and use of materials, the dimensions of the cone-shaped tip of the plug pin and the protruding length of socket insulation and outside contact are not specified in this International Standard. Both influence the overall length of electrical coupling, however, and they should not be excessively long.

The \oplus and \ominus symbols designate electrical polarity.

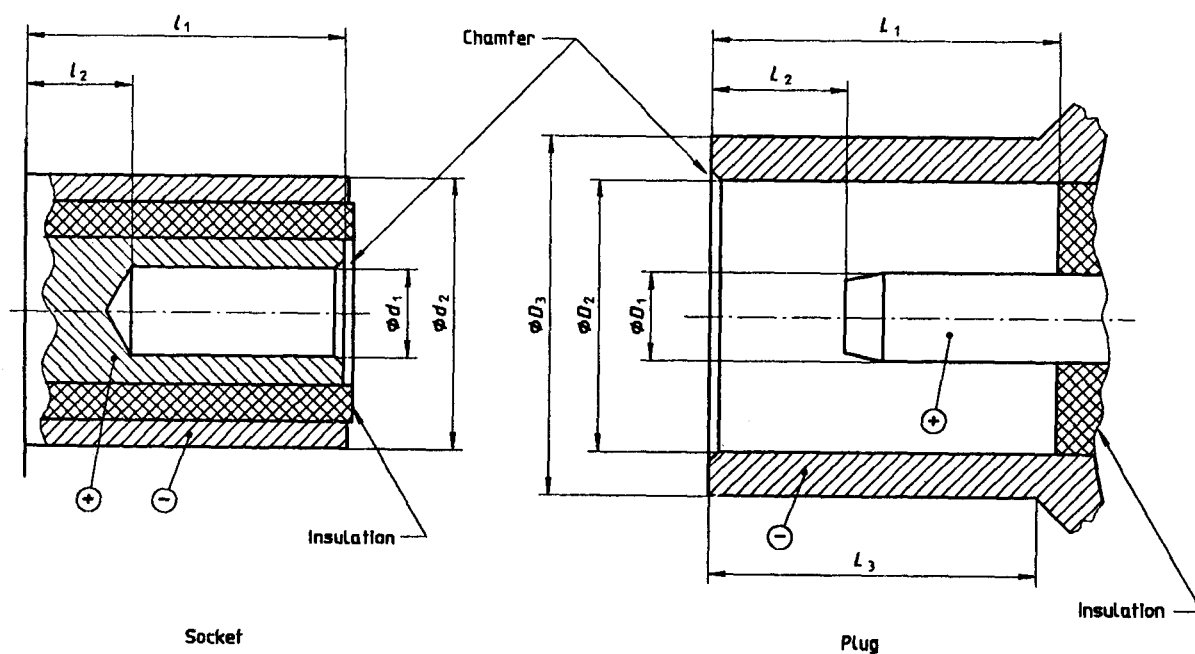


Figure 1 — Flash-connector socket and plug

Table 1 -- Dimensions

Socket		Plug	
Dimension	mm	Dimension	mm
d_1	$1,003 \begin{smallmatrix} +0,025 \\ 0 \end{smallmatrix}$	$D_1^{*)}$	$1,0 \begin{smallmatrix} 0 \\ -0,025 \end{smallmatrix}$
d_2	$3,0 \begin{smallmatrix} 0 \\ -0,025 \end{smallmatrix}$	$D_2^{**)}$	3,0
l_1	$3,5 \pm 0,2$	$l_{.1}$	4,0 min.
l_2	0,6 max.	$l_{.2}$	$0,9 \pm 0,3$
		D_3	4,0 max.
		$l_{.3}$	4,0 min.
<p>*) To ensure good electrical contact, the inner pin shall be eccentric with the outer bush.</p> <p>**) The plug outside contact shall be designed to provide spring action such that an axial separation force of 5 N to 15 N is provided. The design may include one or more slots or other means.</p>			

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Amendments Issued Since Publication

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