IEC/ISO Database on Graphical Symbols for Use on Equipment

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International Electrotechnical Commission International Organization for Standardization Graphical Symbols for Use on Equipment

The database on Graphical Symbols for Use on Equipment contains the complete set of graphical symbols included in IEC 60417 and ISO 7000. It therefore offers end-users a "one-stop" shop for all such graphical symbols. These International Standards are maintained respectively by IEC/TC 3, subcommittee SC 3C and ISO/TC 145, subcommittee SC 3.

Each graphical symbol is identified by a reference number and contains a title (in English and French), a graphical representation in GIF and/or PNG and vectorized PDF format, and some additional data as applicable. Various search and navigation facilities allow for easy retrieval of graphical symbols.

Subscriptions

Customers have the possibility to subscribe to the joint IEC and ISO collection of graphical symbols or to each respective organization's graphical symbols only.

Joint IEC 60417 and ISO 7000 collection

The most cost effective solution is the combined collection which offers the IEC 60417 and ISO 7000 collections in database format, with the possibility to download IEC 60417 snapshots or the ISO 7000 snapshots in PDF format. In order to subscribe please contact your local IEC National Committee/approved sales outlet or local ISO member, or visit the IEC Webstore or the ISO Store.

IEC 60417 collection only

If you are only interested in those graphical symbols produced by the IEC, then this restricted collection offers you access to the IEC 60417 standard only, with PDF snapshots of the entire collection available for added value. In order to subscribe please contact your local IEC National Committee/approved sales outlet or visit the IEC Webstore.

ISO 7000 collection only

If you are only interested in those graphical symbols produced by the ISO, then this restricted collection offers you access to the ISO 7000 standard only, with a PDF version of ISO 7000 available for added value. In order to subscribe please contact your local ISO member or visit the ISO Store.

Special access requests

IEC National Committees (click here) ISO members (click here) IEC TC/SC Officers (click here) ISO TC/SC Officers (click here)

IEC National Committees and ISO Member Bodies should indicate the names of the staff members to be authorized and the username used for accessing documents on the IEC or ISO web site respectively.

TC/SC officers should indicate their position with respect to a given TC/SC (chair, secretary, convenor) and the username used for accessing documents on the IEC or ISO web site respectively.

Localized versions

In addition to the international standard IEC 60417 maintained by IEC/TC 3, subcommittee SC 3C, IEC also hosts localized versions of IEC 60417 maintained under the responsibility of the respective National Committee. The following localized version is currently available:

Japanese

Queries and comments

Please send any queries or comments to the IEC Helpdesk or to ISO Customer Services.

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IEC/ISO Graphical Symbols for Use on Equipment

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Inter	national Electrotechnical Logout	
Commission International Organization for Standardization Graphical Symbols for Use on Equipment		
Home	Introduction	
Introduction General description	The database is organized as a set of "data sheets" describing the graphical symbols and their attributes. Please click on "General description" on the left panel to see how the database is structured and how to use graphical symbols.	
Symbols by: Symbol ID	IEC 60417 is used as a reference by the following IEC member countries:	
Name (IEC 60417) Name (ISO 7000)	Austria, Belgium, Canada, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Ireland, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom	
Keywords Shape	Languages	
Function Application TC/SC	The database is bilingual with all graphical symbol data available in English and French (not always true for ISO 7000 graphical symbols). While viewing a graphical symbol data sheet you can switch back and forth between the two languages.	
Publication	Links	
Date of release IEC draft status	All items in due represent links to other elements of to specific action.	
	Finding a symbol	
Advanced Search	The database provides two methods for finding a symbol:	
Snapshots (PDF)	1. Search function (top right of each page)	
Print overview	You can combine two search terms with a boolean "AND", "OR" or "NOT" operator.	
Contact	2. Categorized views	
	Graphical symbols are categorized by registration number (symbol ID), name, keyword, shape, function, application, TC/SC, publication and status. Some of the views are presently not available for IEC 60417 graphical symbols.	
	Snapshots	
	Snapshots of the database contents are made available for reference purposes in PDF format. Please click on "Snapshots" in the left panel for further information.	
	Submitting proposals for change requests	
	The maintenance process for any changes to this joint IEC 60417 and ISO 7000 database, either for the inclusion of a new graphical symbol or a change to existing graphical symbols should be initiated by a change request (CR). Details are defined in the ISO/IEC Directives (IEC specific procedures, Annex SL for IEC 60417 graphical symbols, and ISO specific procedures, Annex ST for ISO 7000 graphical symbols).	
	In drafting technical content that may be included in the CR, please refer to IEC	

80416-1, *Basic principles for graphical symbols for use on equipment* – Part 1:

This is a preview - click here to buy the full publication Creation of graphical symbols for registration and ISO 80416-2: Basic principles for graphical symbols for use on equipment – Part 2: Form and use of arrows. The most recent guidance for the wording of the description for a symbol original can be found on both the IEC TC 3/SC 3C and ISO TC 145/SC 3 website.

Proposers of such change requests can <u>click here</u> to send an e-mail to the secretaries of IEC SC 3C and ISO TC 145/SC 3 who are responsible for the maintenance of IEC 60417 and ISO 7000, respectively.

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IEC ISO

International Electrotechnical Commission International Organization for Standardization Graphical Symbols for Use on Equipment

	Logo
Gr	id

Thumbnails

<mark>gout</mark> Full

Home Introduction General description

Symbols by:

Symbol ID Name (IEC 60417)

Name (ISO 7000)

Keywords

Shape

Function

Application

TC/SC

Publication

Date of release

IEC draft status

Advanced Search

Snapshots (PDF) Print overview

Contact

General description

A graphical symbol is a visually perceptible figure used to transmit information independently of language. The graphical symbols for use on equipment are used for a wide range of purposes. For such graphical symbols, consistency in design of families of symbols used in one location or on similar equipment is an important issue, as is legibility when these symbols are reduced to small dimensions. Thus, there have been common provisions among areas covered by IEC and ISO on basic principles for graphical symbols for use on equipment to ensure visual clarity, to maintain consistency and thereby to improve recognition (see IEC 80416-1 and ISO 80416-2).

List

Scope

IEC 60417 graphical symbols are primarily intended to:

- identify the equipment or a part of the equipment (e.g. a control or display);
- indicate a functional state (e.g. on, off, alarm);
- designate connections (e.g. terminals, filling points for materials);
- provide information on packaging (e.g. identification of contents, instructions for handling);
- provide instruction for the operation of the equipment (e.g. limitations of use).

IEC 60417 does not apply to symbol originals for:

- safety signs;
- use on drawings and diagrams;
- use in technical documentation of products and in technical product documentation;
- use for public information.

IEC 60417 has the status of a horizontal standard in accordance with IEC Guide 108.

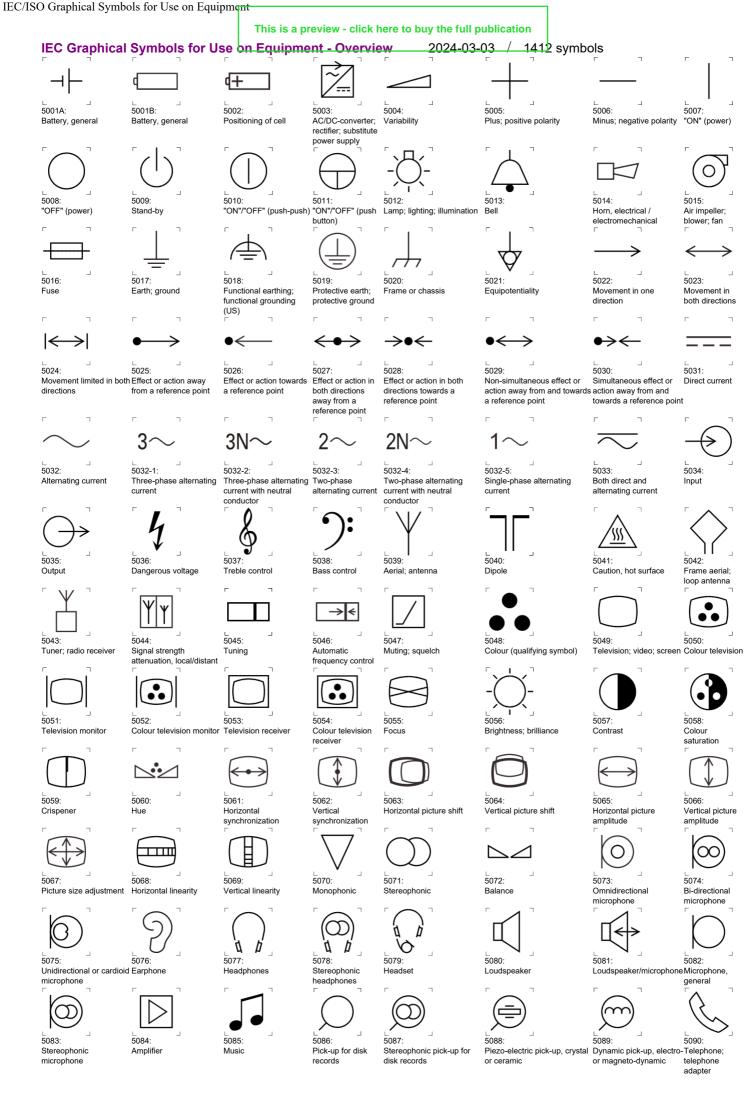
ISO 7000 provides a synopsis of those graphical symbols which are placed on equipment or parts of equipment of any kind in order to instruct the person(s) using the equipment as to its operation.

Structure of the database

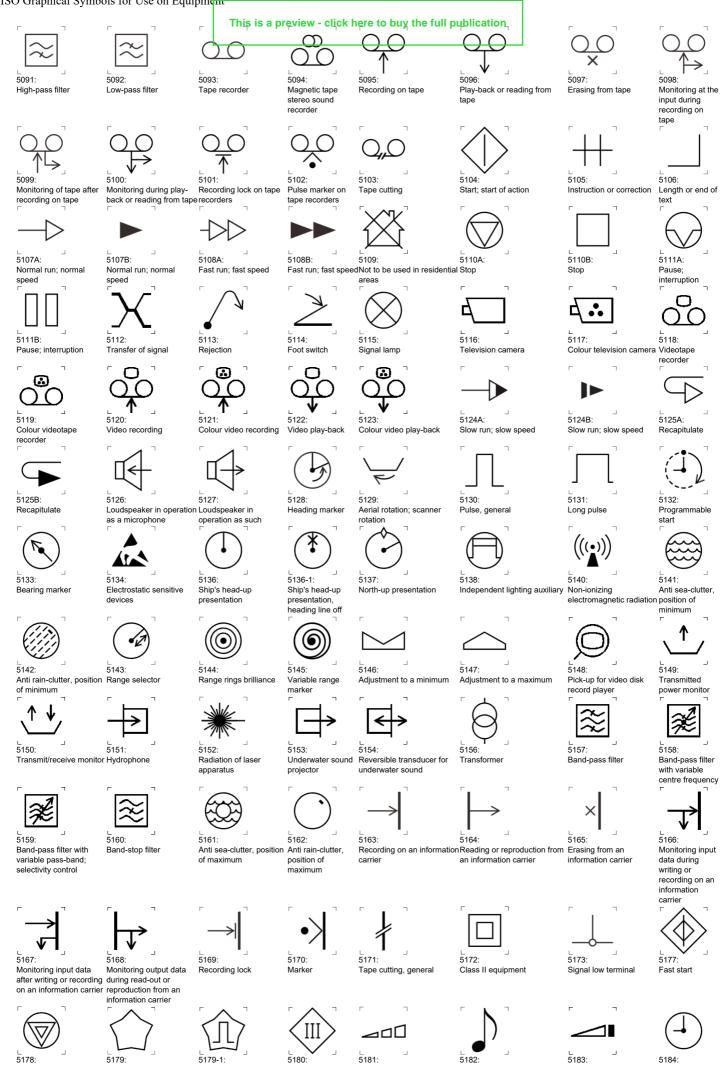
Each graphical symbol carries a registration number (symbol ID) and a name in English and French, together with a graphical representation in GIF and/or PNG and in vectorized PDF format. There are also several optional fields. Below is a full listing of all the database fields. Some of them do not apply presently to IEC 60417 graphical symbols.

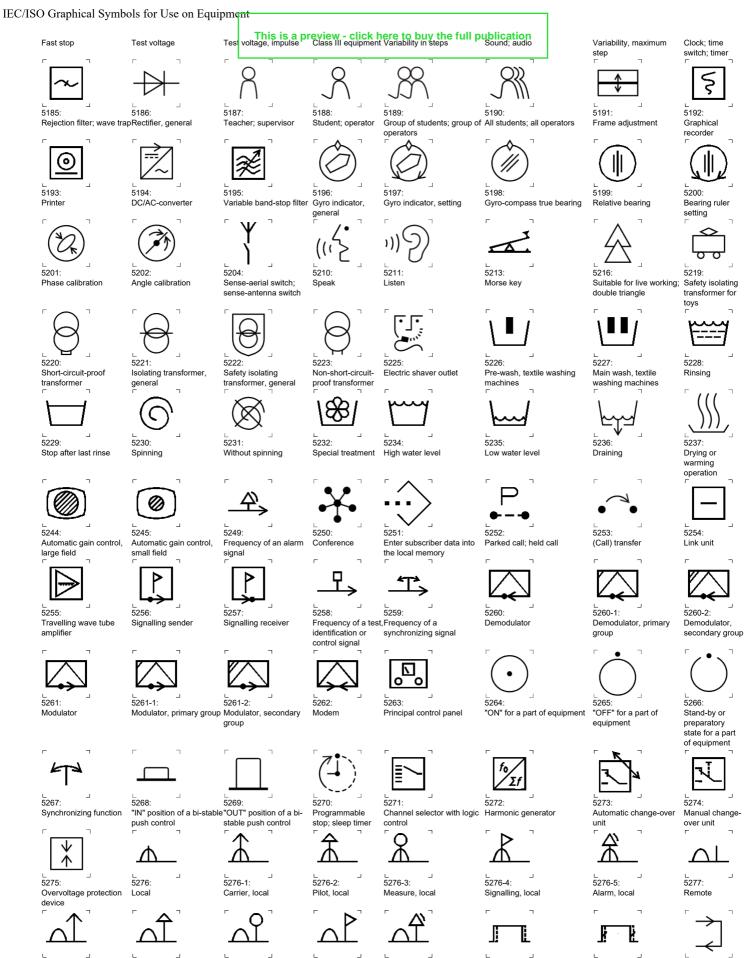
- Symbol ID
- Name
- Graphical representation in GIF or PNG format
- Graphical representation in vectorized PDF format
- Status
- Product area
- Description
- Notes

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5277-4:

5284

voltage

Converter with

stabilized output

Signalling, remote

5277-5

5285

Adjustable device

Alarm, rem

5277-3

5283

Measure, remote

 \triangleright

Regenerative repeater

5277-1:

5281:

Carrier, remote

Digital combiner

5277-2:

5282

Digital separator

Pilot, remote



5286-1: Distortion corrector, amplitude/frequency

phase/frequency

5280:

Loop, transmission line





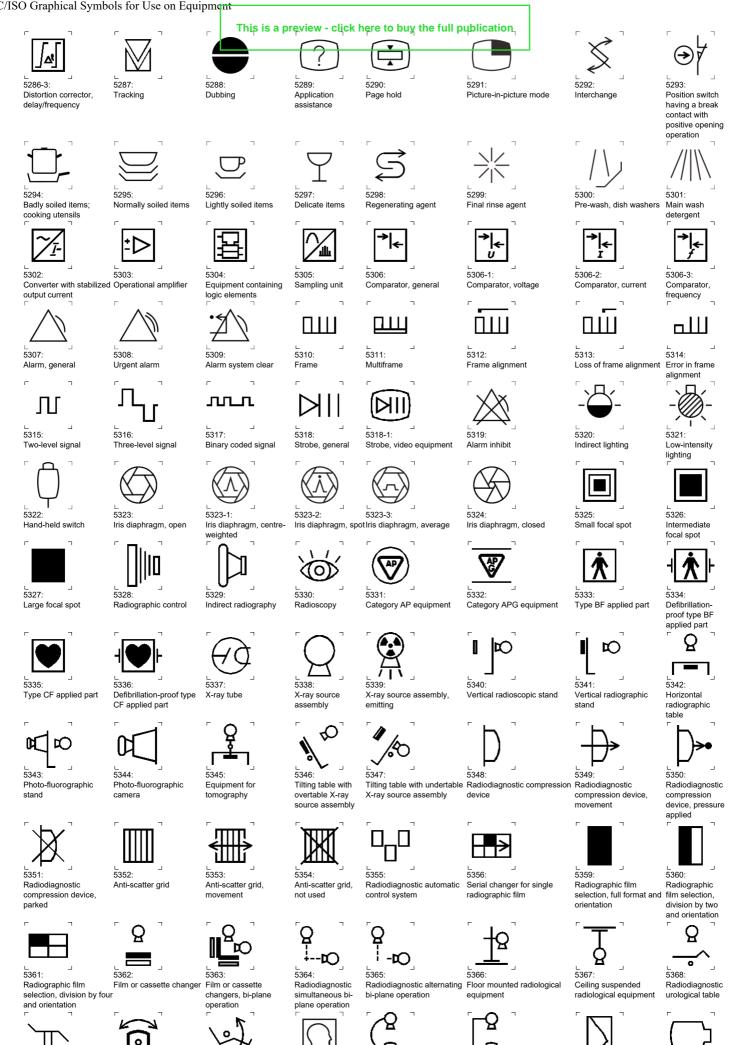


5279:

Phase jitter filter

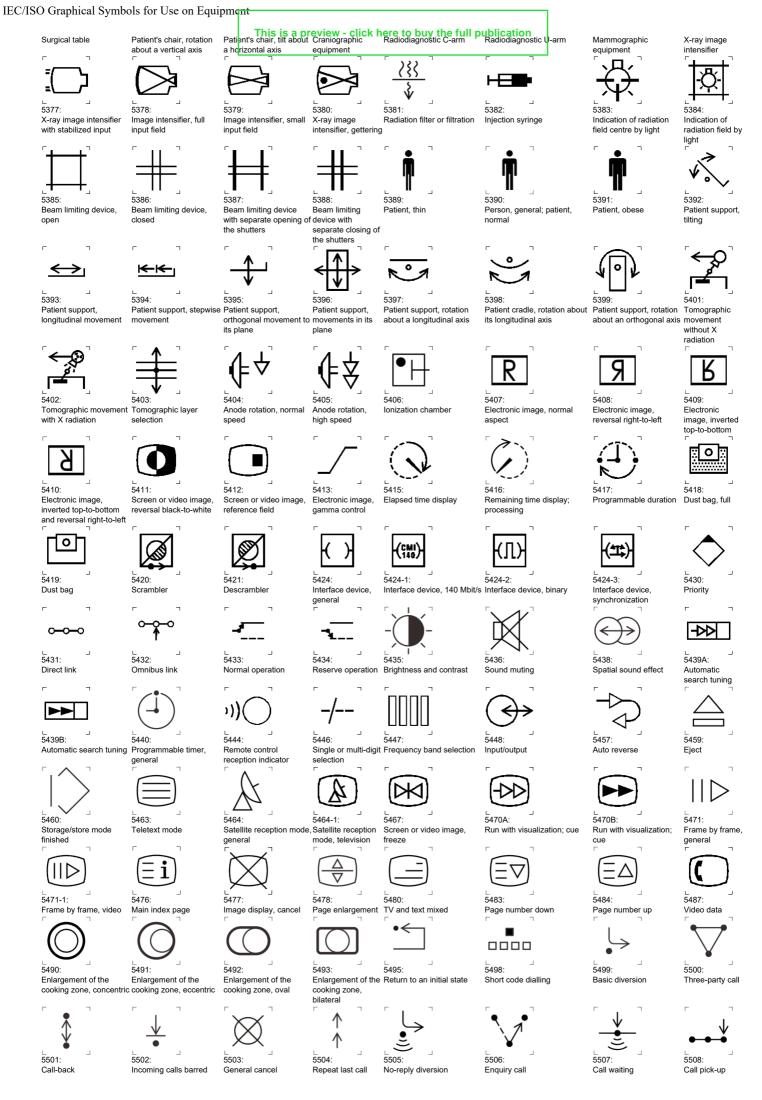




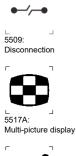


5376:

5371:

























5554 Still mode



5562: Tape end



5576-1: Bell, cancel acknowledged acknowledged







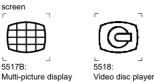








5608



Additional information on Menu



i+

5510:

5525A 5522-2 Colour video input/output, Video input digital

5511:

C

....

5530-1:

analogue

\$

Wide-angle

5539

Colour video output,



Colour video output



Close-up









5555: 5556: Tape running direction Manual reverse





5576-2: Bell, cancel temporary



5581: Save; economize

5589:

5601:

5609

Heavily soiled

Carpet, general





5582:

or shower





L 5610:





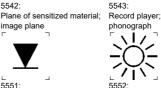




Condensate collector, full







Tone arm, down

5552 Colour temperature. natural light

7

Picture-in-picture, swap

5516:

5522:

5529A

5536

5544:

player

1

5553:

Compact disc

Moisture

Colour video input, digital Video output

Picture-in-

picture, select

•++>

Colour video input/output

5515:

4

Video input/output

5521B:

5526-2

5535:

Loudness

Colour temperature, incandescent lamp



5561:

5576

Cassette

5560: Cable television

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5579 Zone focus, middle distance

















Upholstery 5611: 5612

5559: White balance Two independent audio channels 5574 Water tap, closed Water tap, open

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Picture-in-picture, shift

5514:

-

Video input/output

Colour video input, analogue

5521A:

5526-1:

5534

5542:

5551:

image plane

Power plug

Picture-in-picture, freeze

5513:

5520:

Subtitle

5526

C -b

5533:

5541:

5550:

5558:

5573:

5576-5:

Laundry starch

5584:

5596:

Tone arm, up

Record review

77

Background light

Colour video input

5512:

display

G

Timed page cancel

5519:

5525B:

.

5530-2:

5540:

5549

5557:

5572:

Auto reverse

continuously

 \mathcal{A}

Cable coiling

Record muting

Tele(photo)

Colour video

output, digital

Video input

System status



5577 Bell, temporary cancel Zone focus, very short affirmatively acknowledged; distance temporarily acknowledged



///\

5585:

Gentle spin dry

5597: Steam, low jet















5606:

5614



5587:

5599

Lightly soiled

Steam, high jet





https://www.graphical-symbols.info/graphical-symbols/equipment/db1.nsf/OverviewIEC?openform[2024-03-03 22:05:03]



1

temporary

acknowledged





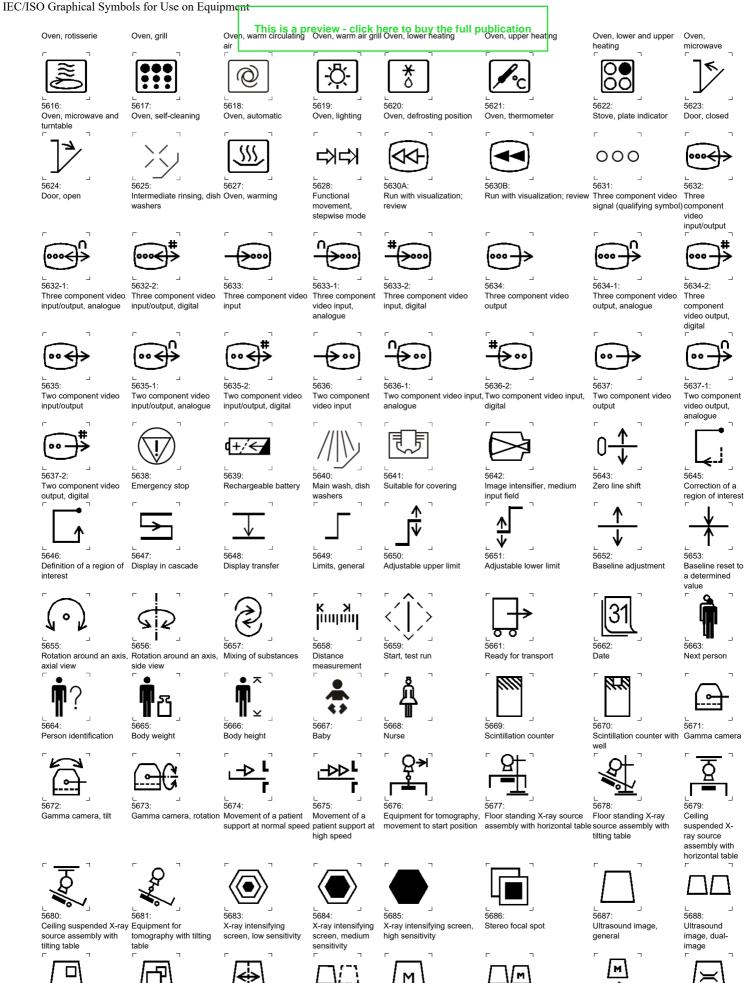












5689 5690 Ultrasound image, field selection

Ultrasound image, magnification

5691: Ultrasound image, scan line selection

5692 Ultrasound image, image selection

5693

Ultrasound image, M mode

5694 modes

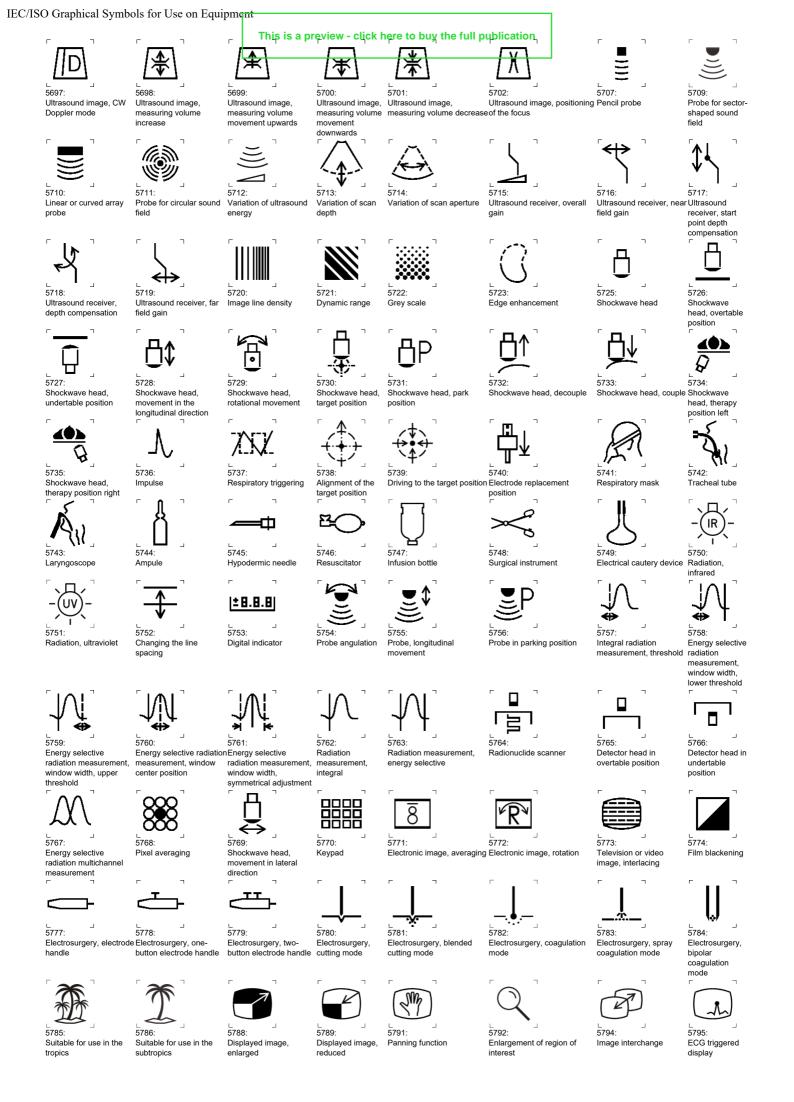
Ultrasound image, B and M Ultrasound image, M speed

5695

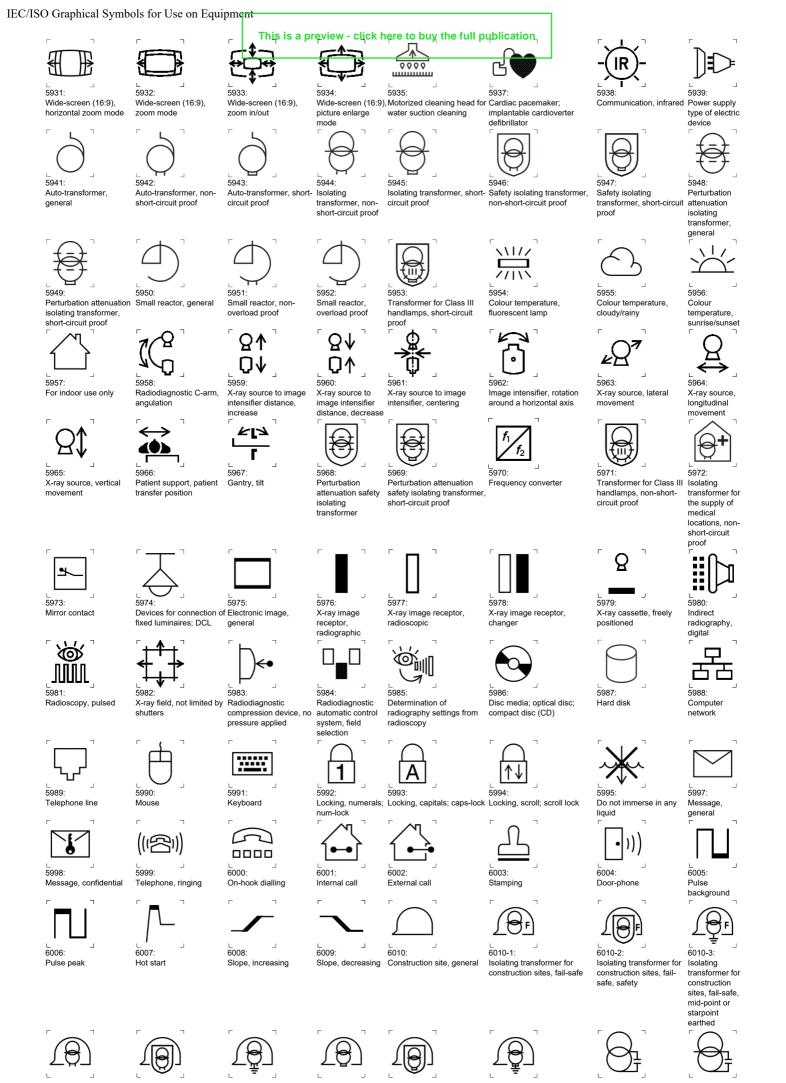


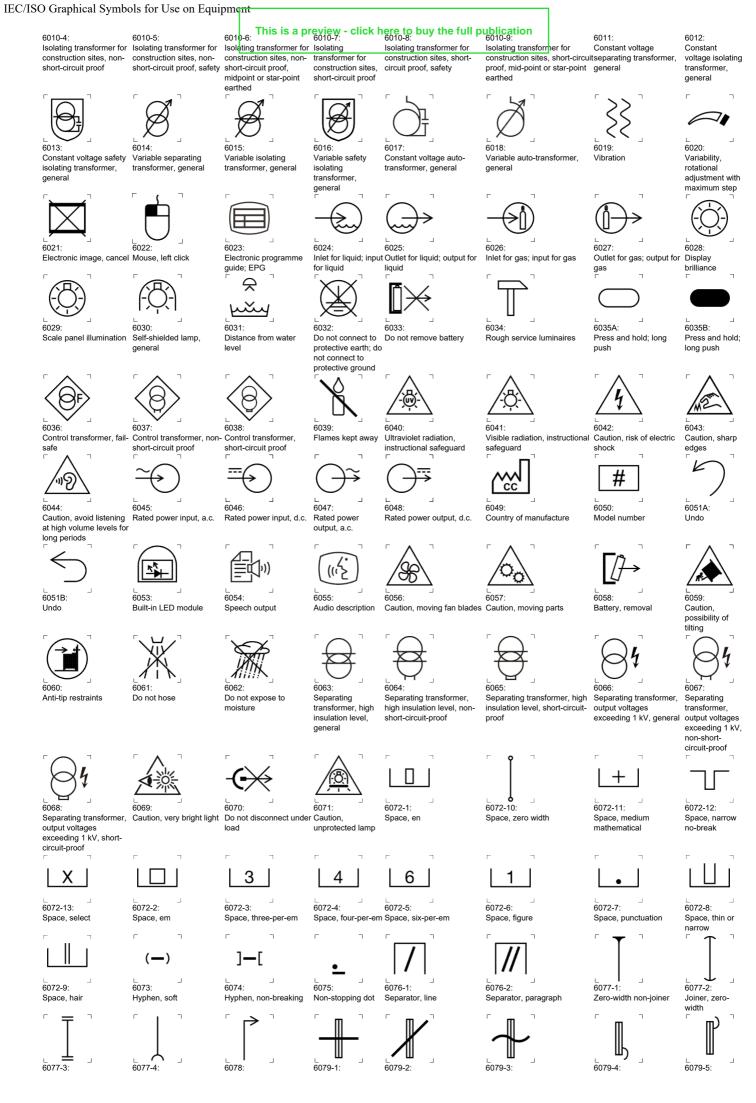
5696 Ultrasound image, pulsed Doppler mode

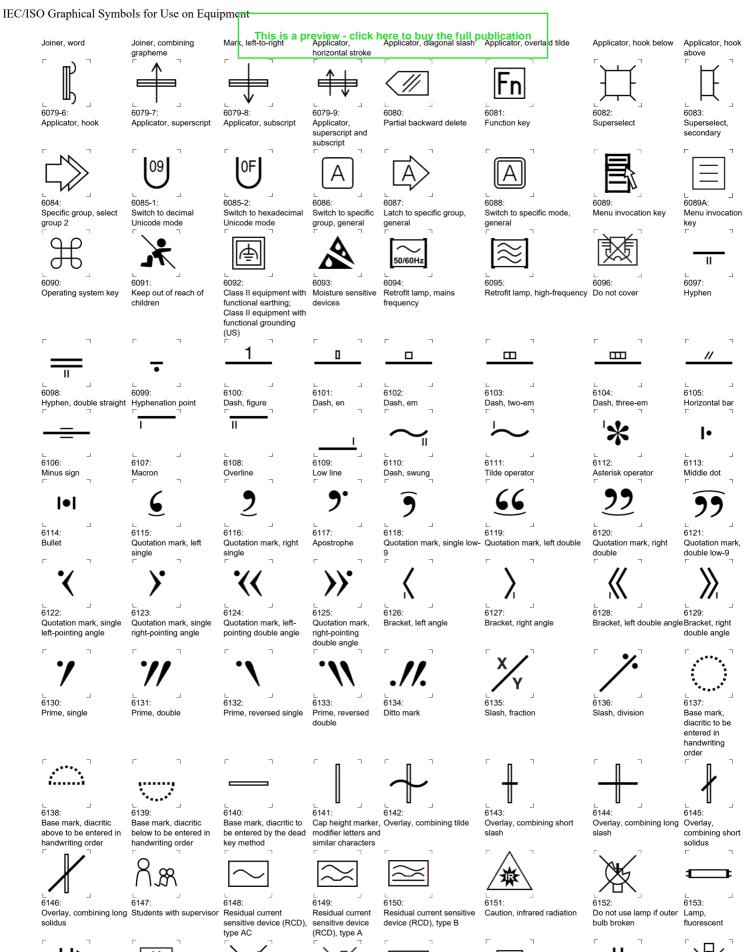
https://www.graphical-symbols.info/graphical-symbols/equipment/db1.nsf/OverviewIEC?openform[2024-03-03 22:05:03]













6157 Self-healing capacitor

6158: Discharging device of capacitor

6159: Do not stare at light source



6159-1: source

6160: Do not stare at light Residual current sensitive device (RCD), type F

6161: Humidity sensor, resistive type



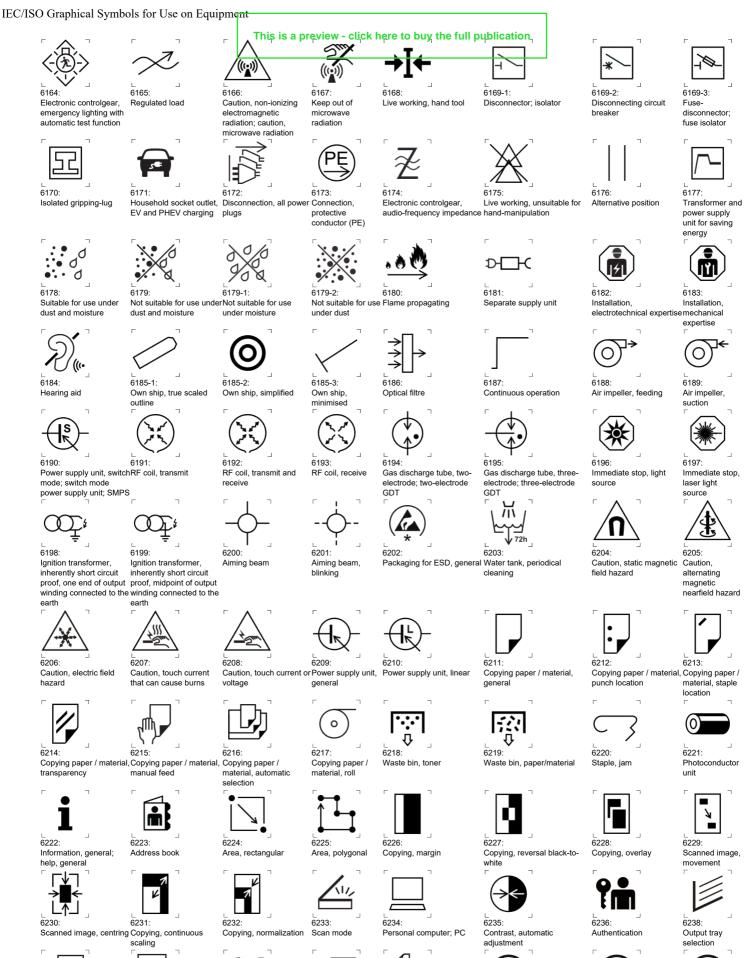
6162:

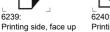
Humidity sensor,

capacitive type

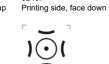
6163: Electronic controlgear, emergency lighting

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6241

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6245:



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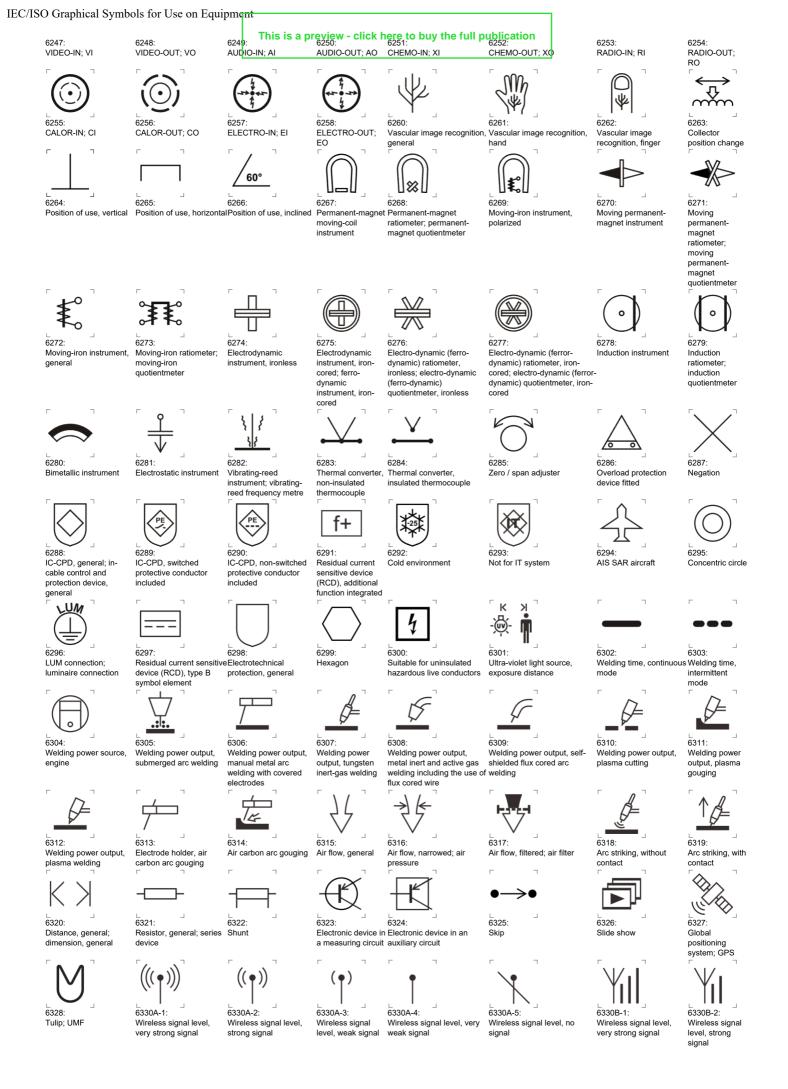
TANGO-OUT













sensitive device (RCD), device (RCD), type F-2 type B-2

installation

installation

circuit

Time synchronization, general Time synchronized type R security energizer

synchronized type S security energizer

