


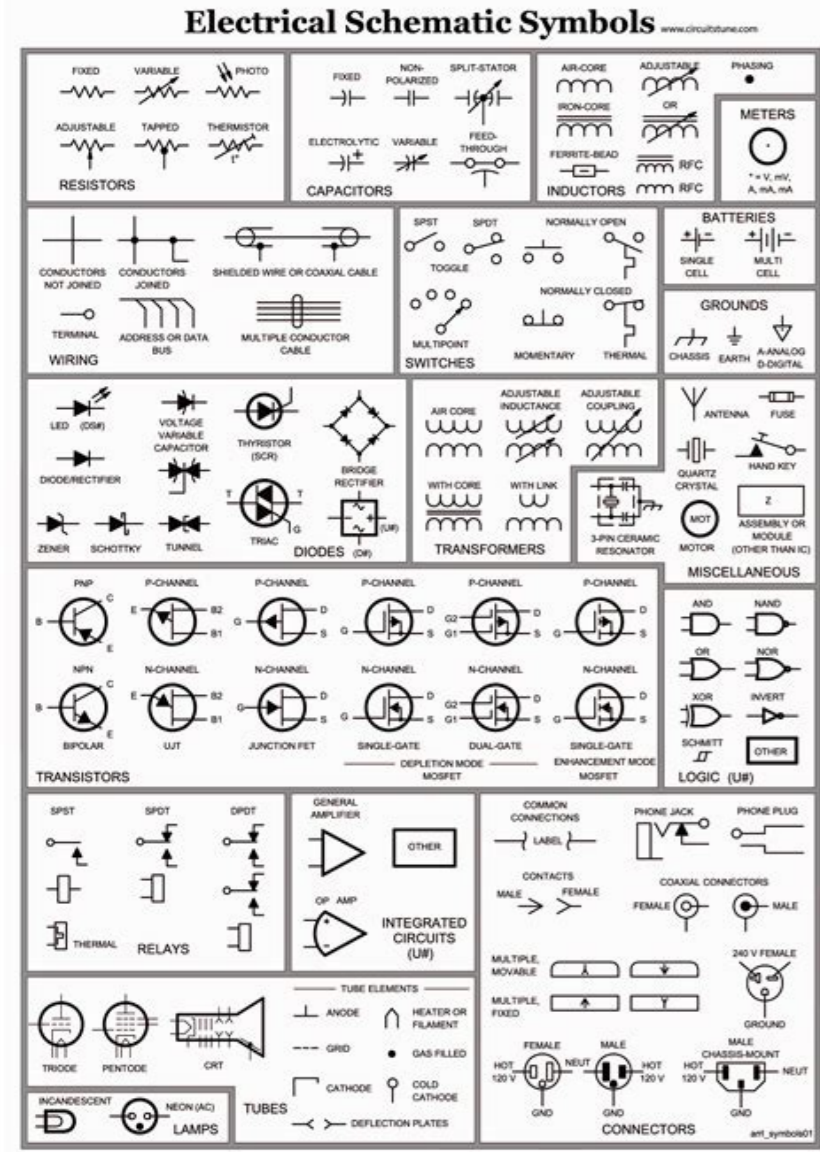
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Iec 60617 electrical symbols pdf

Iec standards for electrical symbols. List of iec standards for electrical pdf.

ID. NO. ISSUE 1 SHEET 1 of 40 DOC.NO. BN-DS-E2 Electrical Design Standard Symbols ID. NO. ISSUE 1 SHEET 2 of 40 DOC.NO. BN-DS-E2 DOCUMENT NUMBERS INDEX SYMBOLS PAGE 501-502 KEY DIAGRAMS, M. V. AND L.



V. ONE LINE DIAGRAMS 4 - 16 503 CONTROL AND WIRING DIAGRAMS 17 - 28 506 COMMUNICATION SYSTEMS 29 510 POWER LAY-OUTS 30 - 38 520 LIGHTING LAY-OUTS 30 - 38 530 EARTHING LAY-OUTS 30 - 38 550 CATHODIC PROTECTION 30 - 38 LOGIC SYMBOLS 39 - 40 ID. NO. ISSUE 1 SHEET 3 of 40 DOC.NO. BN-DS-E2 NOTES 1. SYMBOLS HAVE BEEN DERIVED FROM IEC PUBLICATION 617, NEN 5152 AND COMPANY STANDARDS. EXAMPLE ON SYMBOLS. PUBLICATION EXAMPLE IEC 617 : 03-01-02 A 123 IEC COMPANY SEQUENCE INDEX NEN 5152 : NEN-K-13 NON STANDARD (NORM) : NS-52 2. ALL SYMBOLS MAY BE DRAWN IN ANY POSITION, THE INSCRIPTIONS SHALL REMAIN, HOWEVER IN THE UPRIGHT POSITION. EXCEPTION ARE: A.



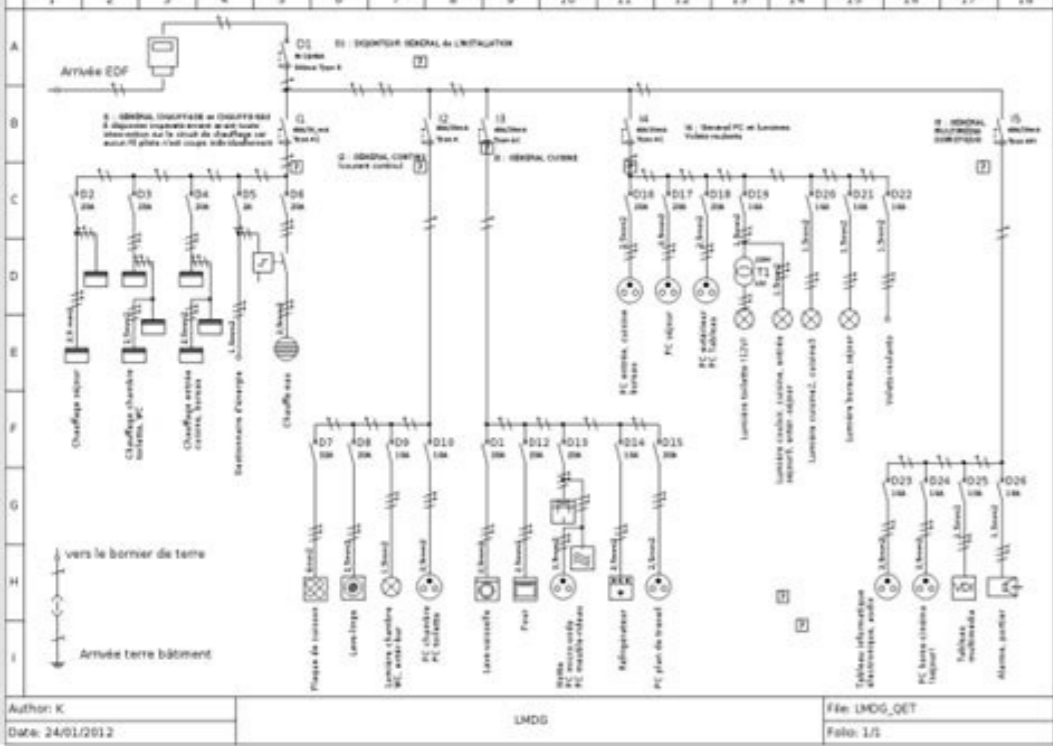
RELAYS, CONTACTS AND SWITCHES SHALL BE SHOWN SUCH THAT THE MODE OF OPERATION IS FROM LEFT TO RIGHT OR FROM BOTTOM TO TOP.

Βασικά τυποποιημένα σύμβολα κατά IEC 60617

Α/Α	Αριθ. IEC	Σύμβολο	Έννοια
87	05-02-06		Τραποζικό κύκλωμα σε σύνδεση τρίγωνου.
88	05-02-07		Τραποζικό κύκλωμα σε σύνδεση αστέρα.
89	07-14-06		Εκκεντρικός αστέρα - τρίγωνο για κλητήρα.
90	05-08-01		Τραποζικός κλητήρας βραχοκυκλωμένου βραχίου.
91	05-08-03		Διακυκλώφωρος τραποζικός κλητήρας.
92	05-09-01		Μεταγωγιστής με δύο κύκλωμα, γενικό σύμβολο (Μορφή 1).
93	05-09-02		Μεταγωγιστής με δύο κύκλωμα, γενικό σύμβολο (Μορφή 2).
94	05-09-06		Αυτοαποσπαστής, γενικό σύμβολο (Μορφή 1).
95	05-09-07		Αυτοαποσπαστής, γενικό σύμβολο (Μορφή 2).
96	05-10-07		Τραποζικός μεταγωγιστής σε σύνδεση τρίγωνου - αστέρα.

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B. INSCRIPTION ON CIRCUIT AND CABLES SHALL BE WRITTEN ALONG THE SYMBOLS AND SHALL BE READ FROM LEFT TO RIGHT OR FROM BOTTOM TO TOP. 3. CONTACTS OF ELECTRICAL OPERATED DEVICES SHALL BE SHOWN IN THE DE-ENERGIZED POSITION. SWITCHES SHALL BE DRAWN IN THE OFF-POSITION OR NOT-ACTIVATED (NO PRESSURE, FLOW, ETC.) ID. NO. ISSUE 8 SHEET 4 of 40 DOC.NO. BN-DS-E2 SYMBOL FOR KEY DIAGRAM, M.V. AND L.V. ONE LINE DIAGRAMS COMPANY DOCUMENT NS 501-502. CAD NAME DESCRIPTION SYMBOL 07-13-02 CONTACTOR 07-13-05 CIRCUIT BRACHER 07-13-02 DISCONNECTOR (ISOLATOR) OFF LOAD 07-13-08 SWITCH-DISCONNECTOR ON LOAD 07-21-08 FUSE-DISCONNECTOR OFF LOAD 07-21-09 FUSE SWITCH-DISCONNECTOR ON LOAD 07-14-04 VOLTAGE INDICATOR CAPACITIVE ID. NO. ISSUE 8 SHEET 5 of 40 DOC.NO. BN-DS-E2 SYMBOL FOR KEY DIAGRAM, M.V. AND L.V. ONE LINE DIAGRAMS COMPANY DOCUMENT NS 501-502. CAD NAME DESCRIPTION SYMBOL NEN-B-45A SINGLE-POLE SWITCH NEN-B-45B TWO-POLE SWITCH NEN-B-45C THREE-POLE SWITCH NEN-B-45D TWO-POLE SWITCH WITH SWITCHED NEUTRAL CONDUCTOR NEN-B-45F FOUR-POLE SWITCH WITH SWITCHED NEUTRAL CONDUCTOR ID. NO. ISSUE 8 SHEET 6 of 40 DOC.NO. BN-DS-E2 SYMBOL FOR KEY DIAGRAM, M.V. AND L.V. ONE LINE DIAGRAMS COMPANY DOCUMENT NS 501-502. CAD NAME DESCRIPTION SYMBOL 02-12-05 DELAYED ACTION IN DIRECTION OF MOVEMENT FROM THE ARC TOWARDS ITS CENTRE (DELAYED CLOSING) 02-12-06 DELAYED ACTION IN DIRECTION OF MOVEMENT FROM THE ARC TOWARDS ITS CENTRE (DELAYED OPENING) 02-12-17 MECHANICAL COUPLING DISENGAGED 02-12-18 MECHANICAL COUPLING ENGAGED 02-12-20B OPERATED BY BRAKE 02-13-01 MANUAL OPERATED CONTROL, GENERAL CASE 02-13-08 EMERGENCY SWITCH (MUSHROOM-TYPE) 02-13-09 OPERATED BY HANDWHEEL 02-13-11 OPERATED BY LEVER 02-13-12 OPERATED BY REMOVABLE HANDLE 02-13-13 OPERATED BY KEY 02-13-14 OPERATED BY CRANK NOTE: ONLY ACTION IS DESCRIPED AND A SWITCH IS SHOWN FOR CLARIFICATION.



SYMBOL CAN ALSO BE USED FOR CIRCUIT BREAKERS, ISOLATORS A.S.O. ID. NO. ISSUE 8 SHEET 7 of 40 DOC.NO. BN-DS-E2 SYMBOL FOR KEY DIAGRAM, M.V. AND L.V. ONE LINE DIAGRAMS COMPANY DOCUMENT NS 501-502.

