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INTERSTATE COUNCIL FOR STANDARDIZATION, METROLOGY AND CERTIFICATION
(ISC)

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(IEC 60364-1:2005)

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(IEC 60364-1:2005, MOD)



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5 IEC 60364-1:2005 Low-voltage electrical installations. Part 1: Fundamental principles, assessment of general characteristics, definitions (). 1. (). (MOD). 64 «

6 30331.1-95 (364-1-72, 364-2-70) 30331.2-95 (364-3-93). « » () « ».

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Low-voltage electrical installations. Part 1: Fundamental principles. assessment of general characteristics, definitions

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IEC 60038(2009) IEC standard voltages ()

IEC 60050-441(1984) International Electrotechnical Vocabulary. Part 441 : Chapter 441: Switchgear, controlgear and fuses (441.)

IEC 60050-442(1998) International Electrotechnical Vocabulary - Part 442: Electrical accessories (442.)

IEC 60050-691(1973) International Electrotechnical Vocabulary. Part 691 : Tariffs for electricity (691.)

IEC 60050-826(2004) International Electrotechnical Vocabulary • Part 826: Electrical installations (826.)

(60050-903(2013) International Electrotechnical Vocabulary - Part 903: Risk assessment (903.)

IEC 60364-4-41(2005) Low-voltage electrical installations • Part 4-41: Protection for safety - Protection against electric shock (4-41.)

- IEC 60364-4-42(2010) Low-voltage electrical installations - Part 4-42: Protection for safety • Protection against thermal effects () 4-42.
- IEC 60364-4-43(2008) Low-voltage electrical installations • Part 4-43: Protection for safety • Protection against overcurrent () 4-43.
- IEC 60364-4-44(2007) Low-voltage electrical installations • Part 4-44: Protection for safety • Protection against voltage disturbances and electromagnetic disturbances () 4-44.
- IEC 60364-5-51(2005) Electrical installations of buildings - Part 5-51: Selection and erection of electrical equipment • Common rules () 5-51.
- IEC 60364-5-52(2009) Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems () 5-52.
- IEC 60364-5-53(2002) Electrical installations of buildings • Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control () 5-53.
- IEC 60364-5-54(2011) Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment • Earthing arrangements and protective conductors () 5-54.
- IEC 60364-5-55(2012) Electrical installations of buildings - Part 5-55: Selection and erection of electrical equipment • Other equipment () 5-55.
- IEC 60364-5-56(2009) Low-voltage electrical installations • Part 5-56: Selection and erection of electrical equipment • Safety services () 5-56.
- IEC 60445(2010) Basic and safety principles for man-machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors (« - »,)
- IEC 60721 (all parts) Classification of environmental conditions ()
- IEC 61936-1(2014) Power installations exceeding 1 kV a.c. - Part 1: Common rules (1 . 1.)
- IEC 62305 ():
- IEC 62305-1(2010) Protection against lightning • Part 1: General principles (1.)
- IEC 62305-2(2010) Protection against lightning - Part 2: Risk management (2.)
- IEC 62305-3(2010) Protection against lightning • Part 3: Physical damage to structures and life hazard (3.)
- IEC 62305-4(2010) Protection against lightning • Part 4: Electrical and electronic systems within structures (4.)

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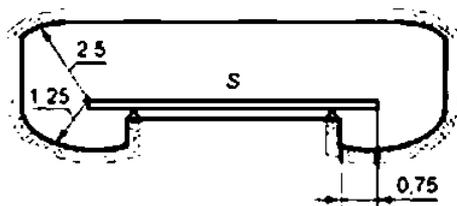
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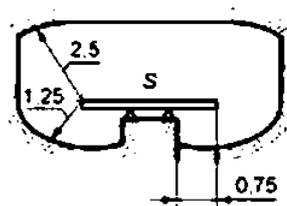
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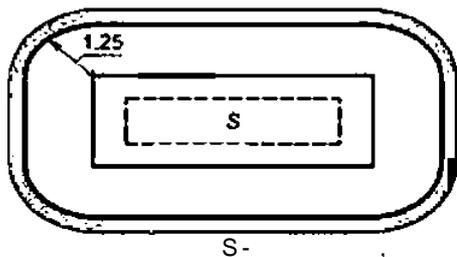
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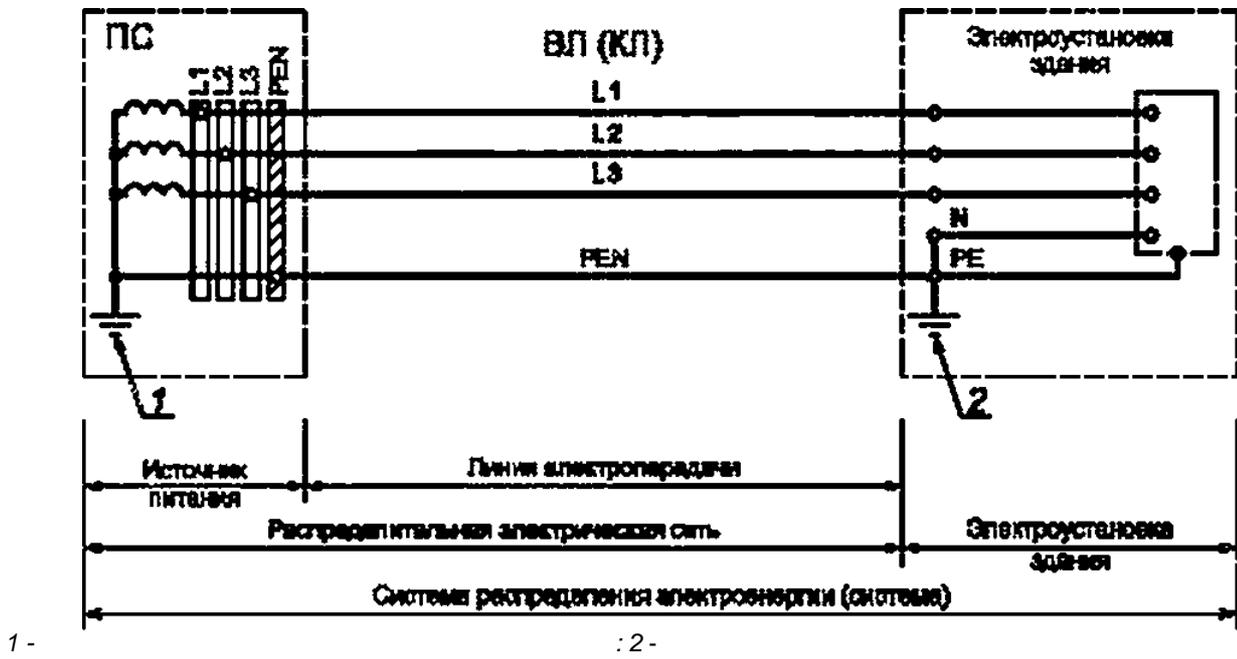
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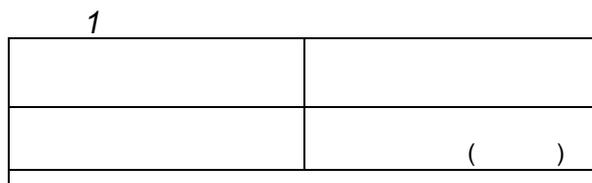
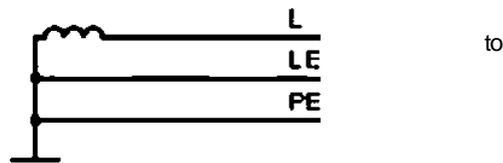
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• IEC 60364-4-41, IEC 60364-4-42. IEC 60364-4-43,
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IEC 60364-5-52, IEC 60364-5-53, IEC 60364-5-54. IEC 60364-5-55, IEC 60364-5-56:

• IEC 60364-7-701(3), / 60364-7-702(4). / 60364-7-703(5). / 60364-7-704(6). /
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60364-7-711(12). / 60364-7-712(13). / 60364-7-713(14). / 60364-7-714(15). / 60364-7-715(16).
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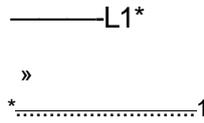
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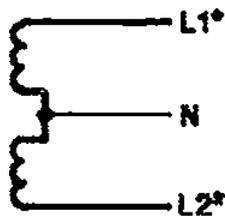
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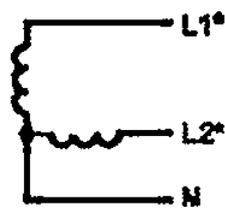
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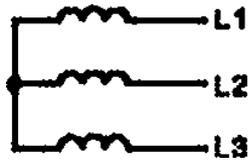
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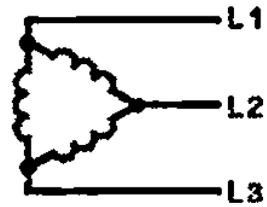
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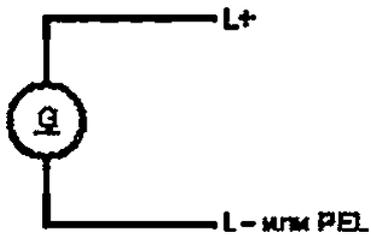
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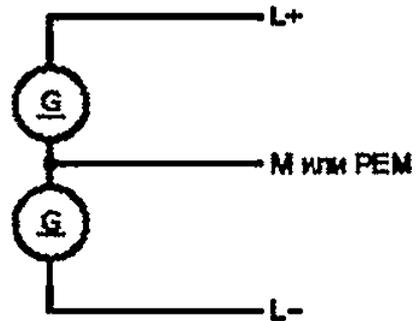
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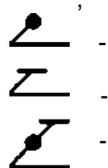
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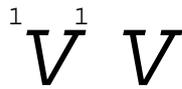
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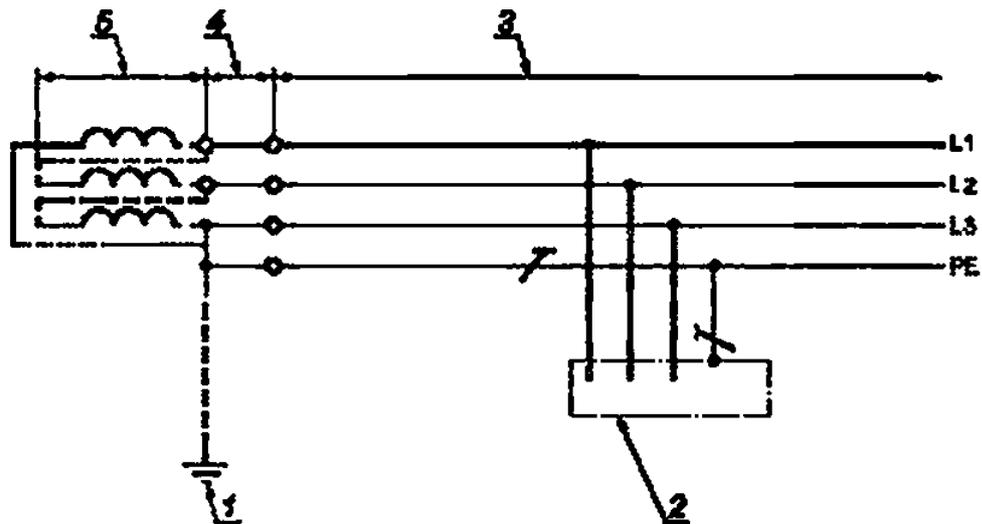
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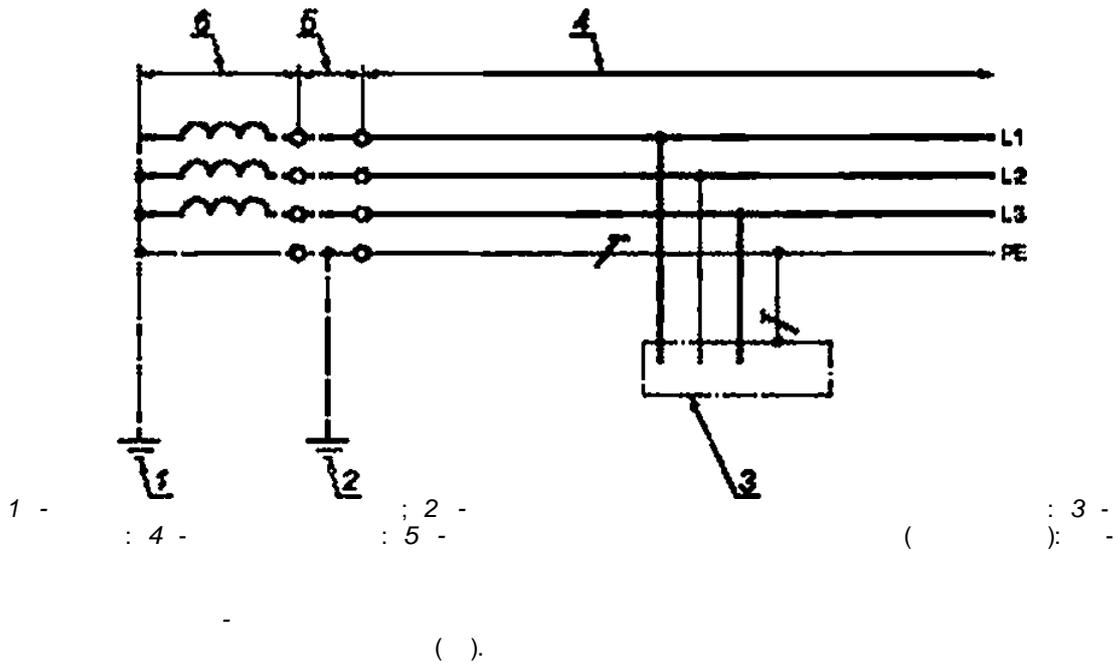
31 1- TN-S



4 - заземление источника питания; 2 - открытая проводящая часть; 3 - электроустановка; { } : 5 -

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31 2- TN-S



31 - TN-S

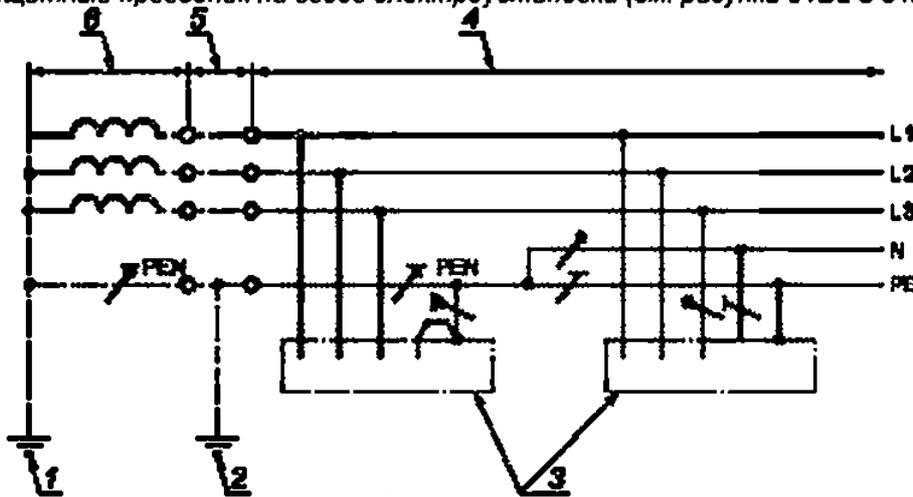
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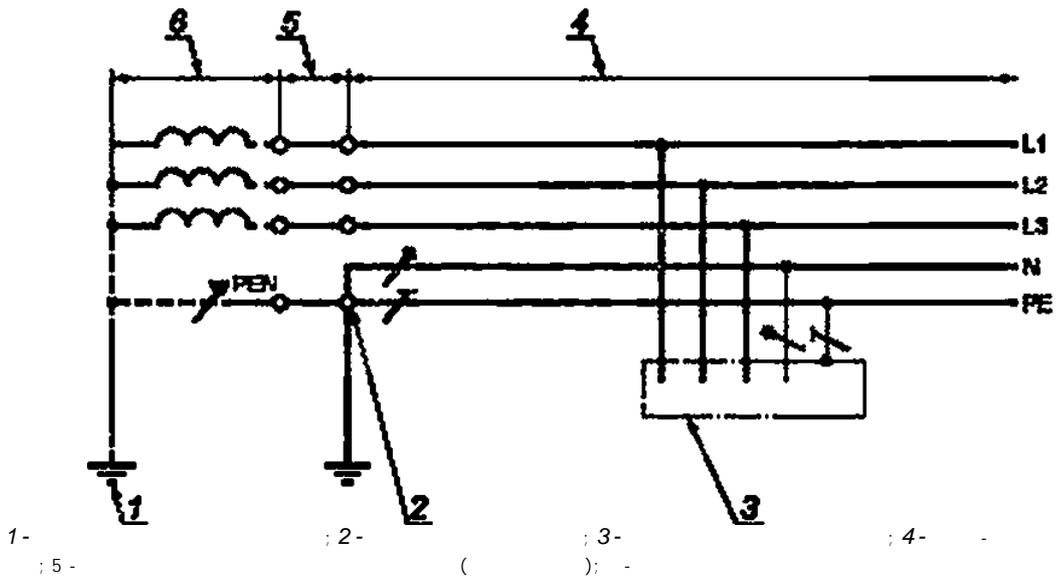
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проводник и защитный проводник на вводе электроустановки (см. рисунки 31B2 и 31B3):



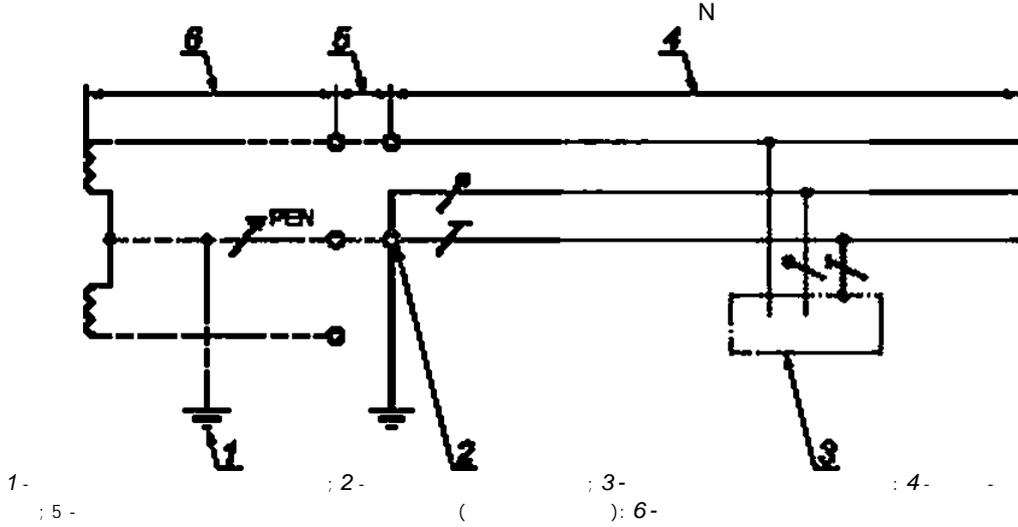
1 - заземление источника питания; 2 - заземление распределительной электрической сети; 3 - открытые проводящие части; 4 - электроустановка; 5 - распределительная электрическая сеть (при наличии); 6 -

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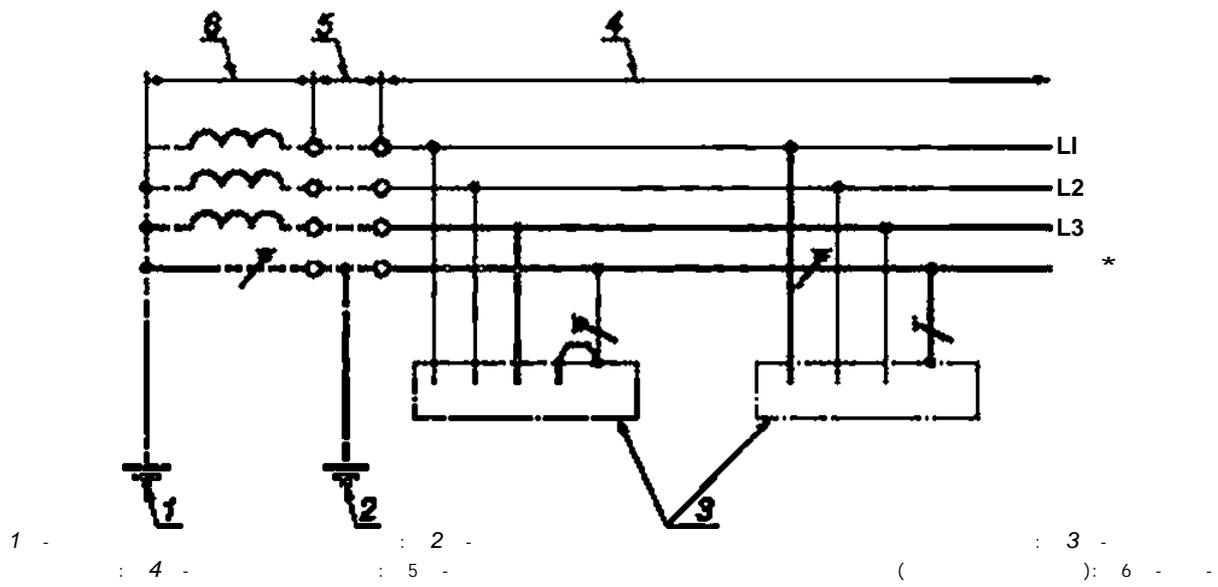
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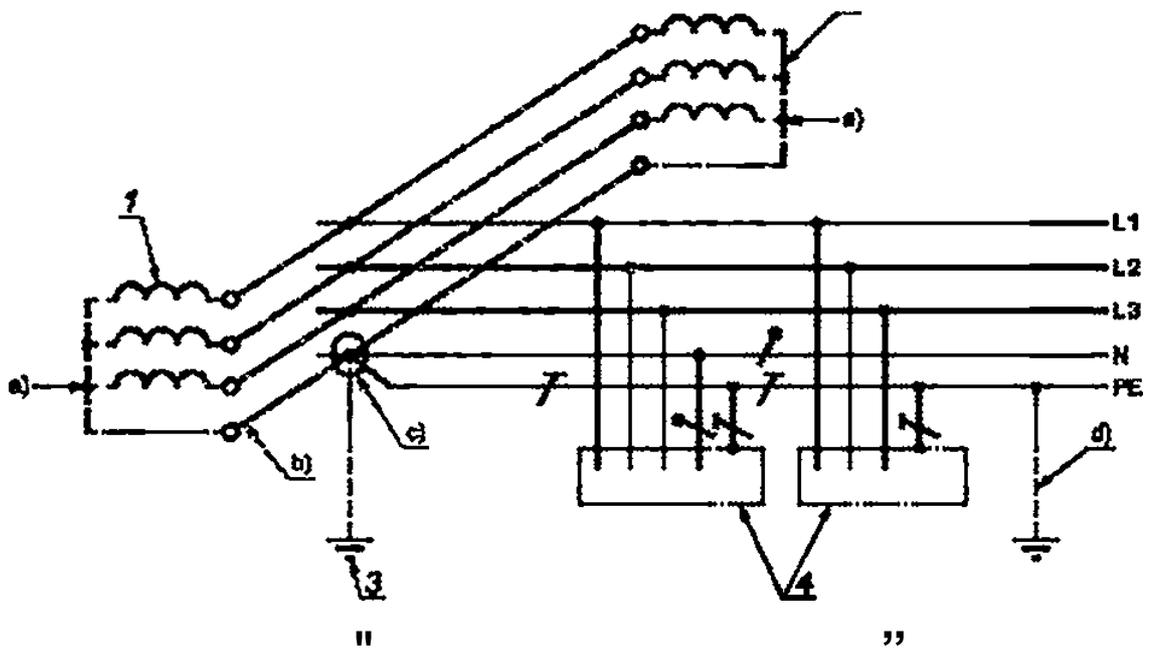
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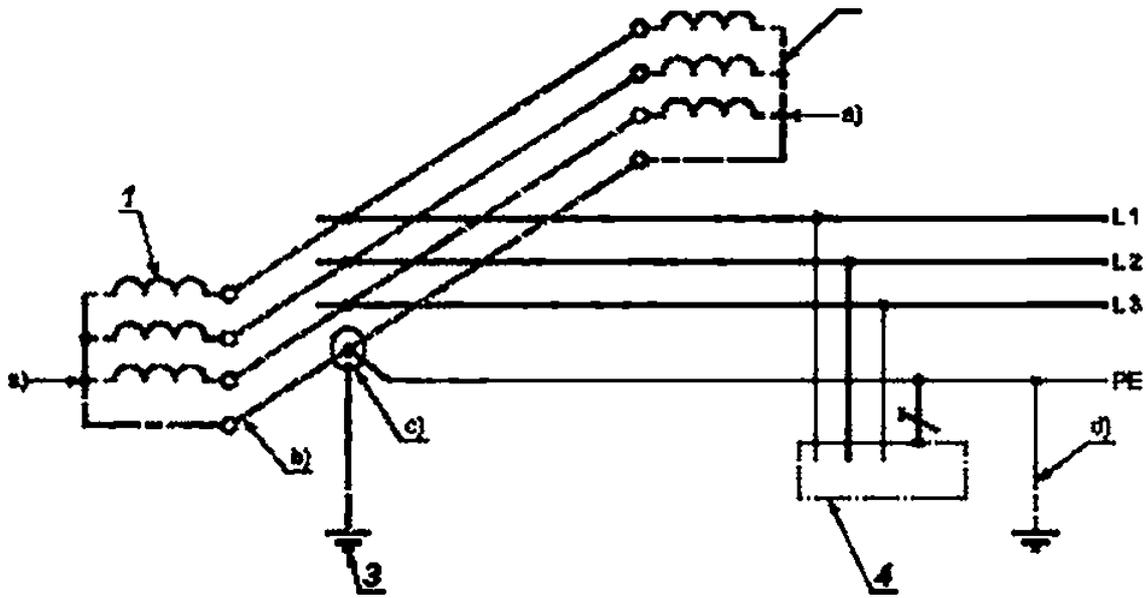
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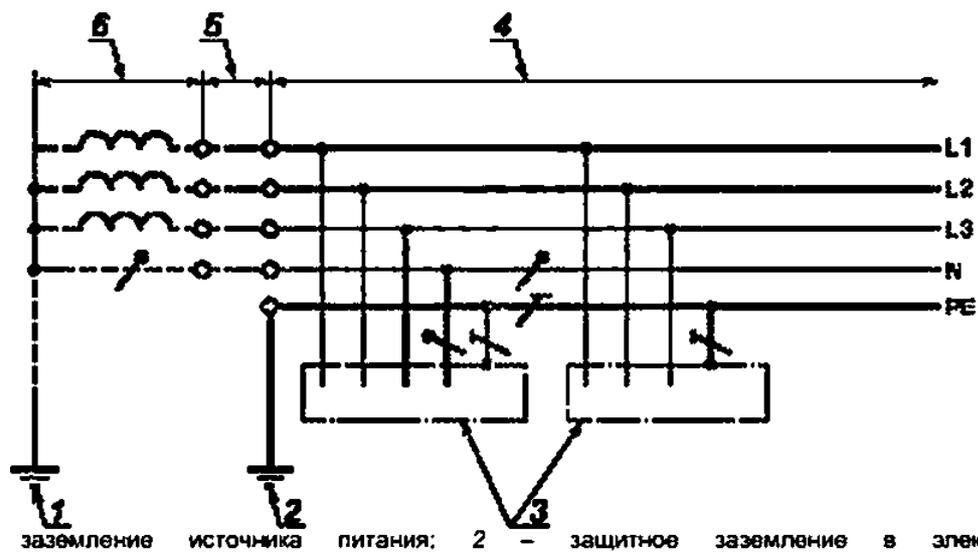
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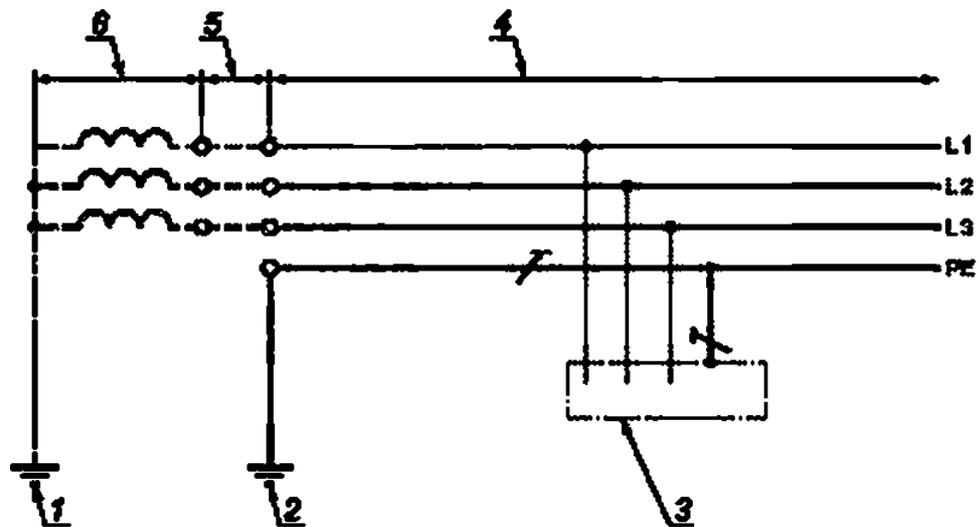
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3 - заземление источника питания; 4 - защитное заземление в электроустановке; 5 - заземление источника питания; 6 - защитное заземление в электроустановке;

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1 - заземление источника питания; 2 - защитное заземление в электроустановке; 3 - заземление источника питания; 4 - защитное заземление в электроустановке; 5 - заземление источника питания; 6 - защитное заземление в электроустановке;

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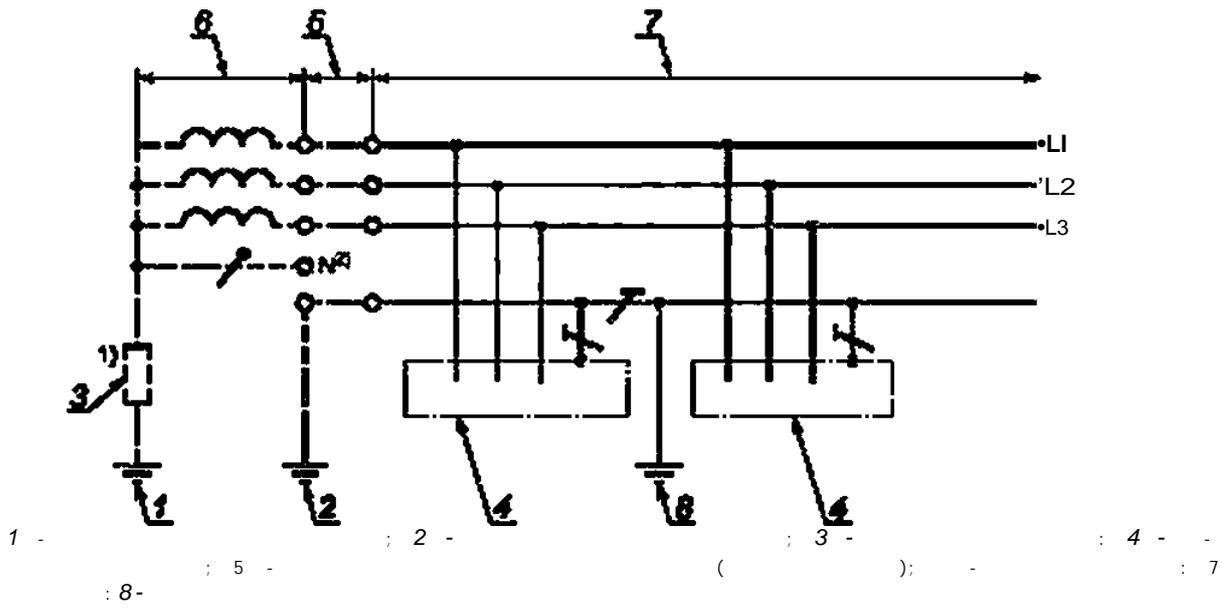
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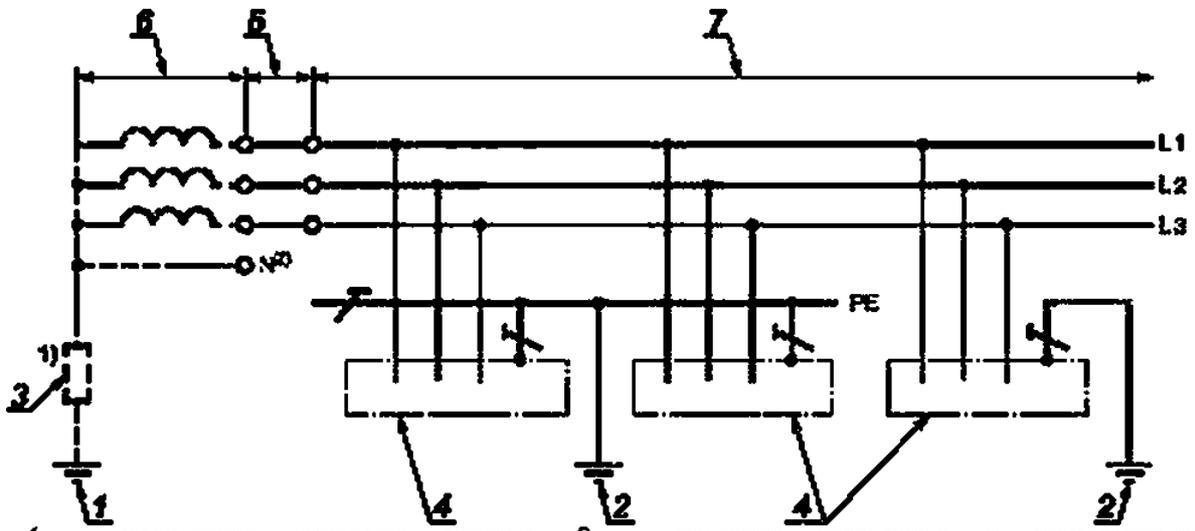


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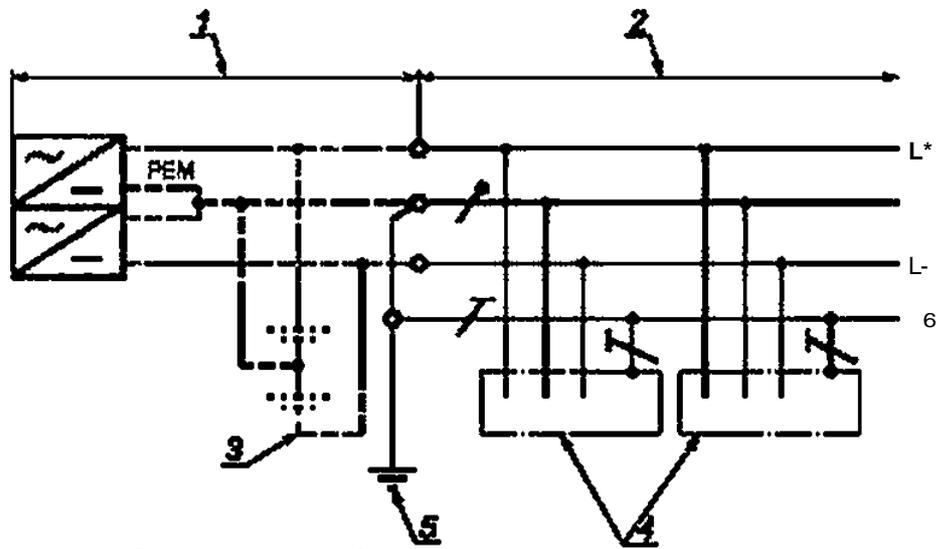
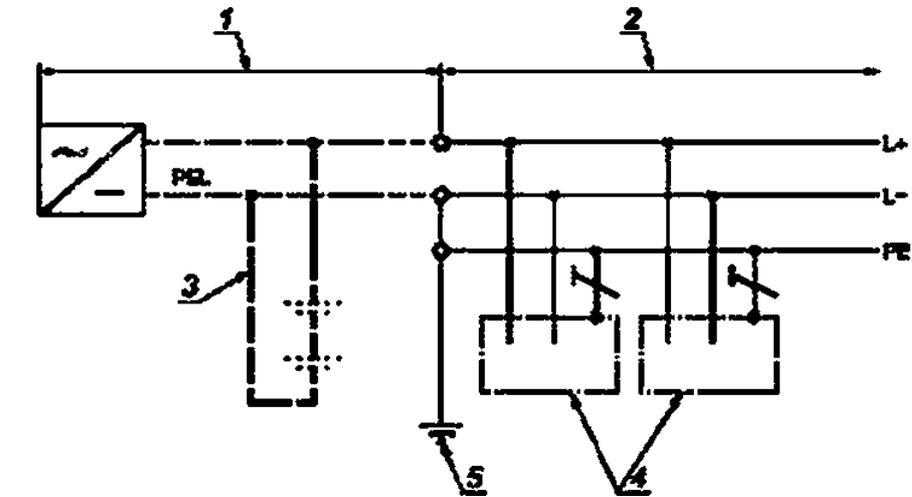
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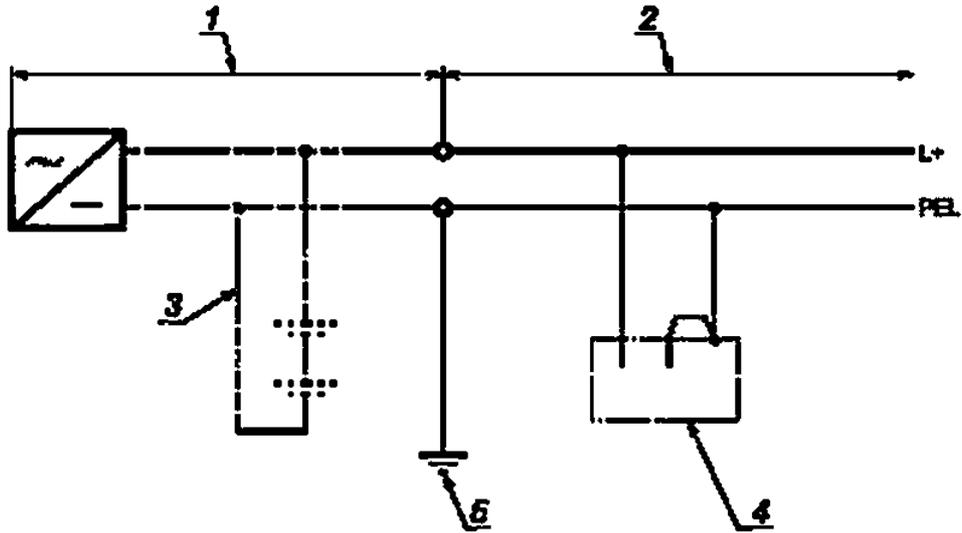
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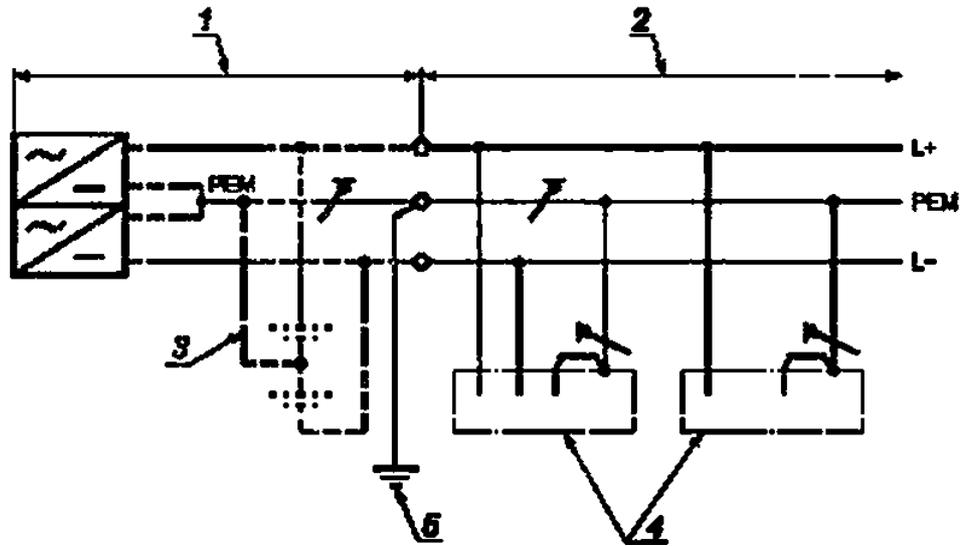
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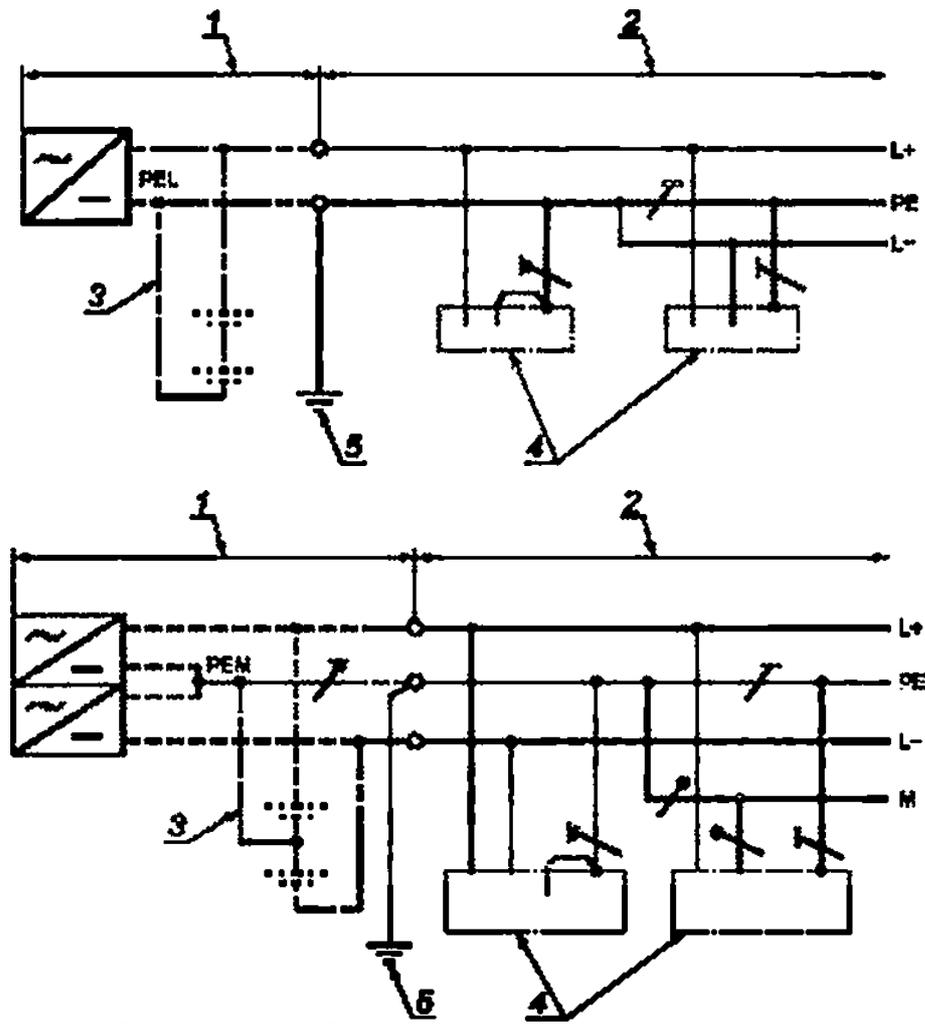
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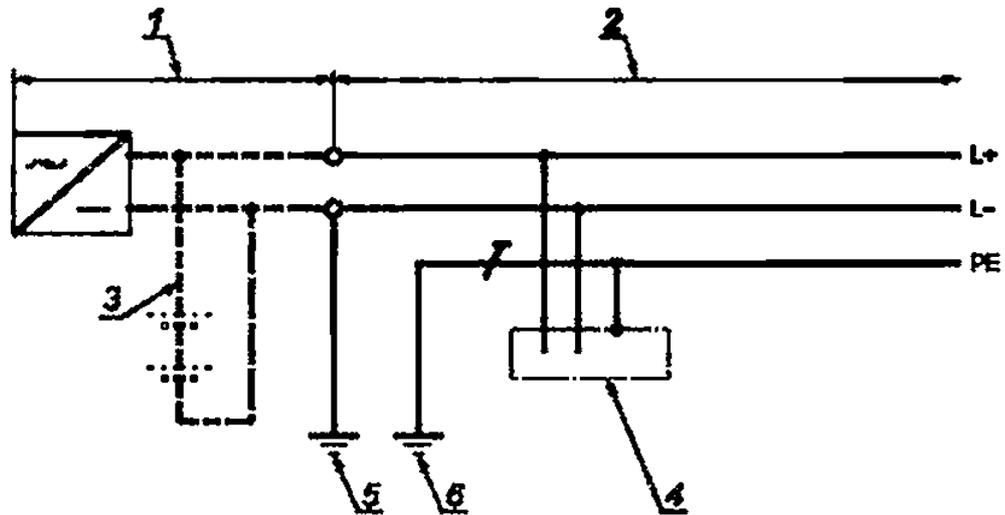
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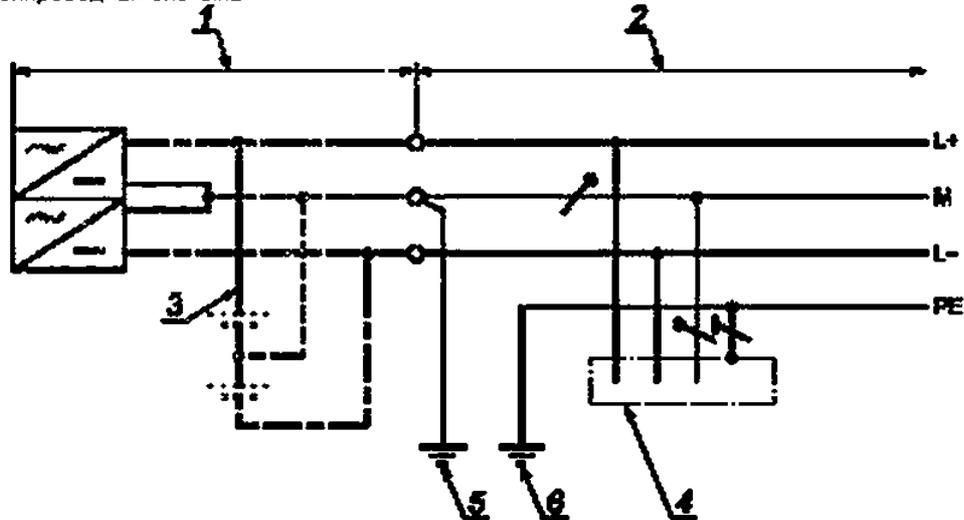
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Тип б) – трехпроводная система



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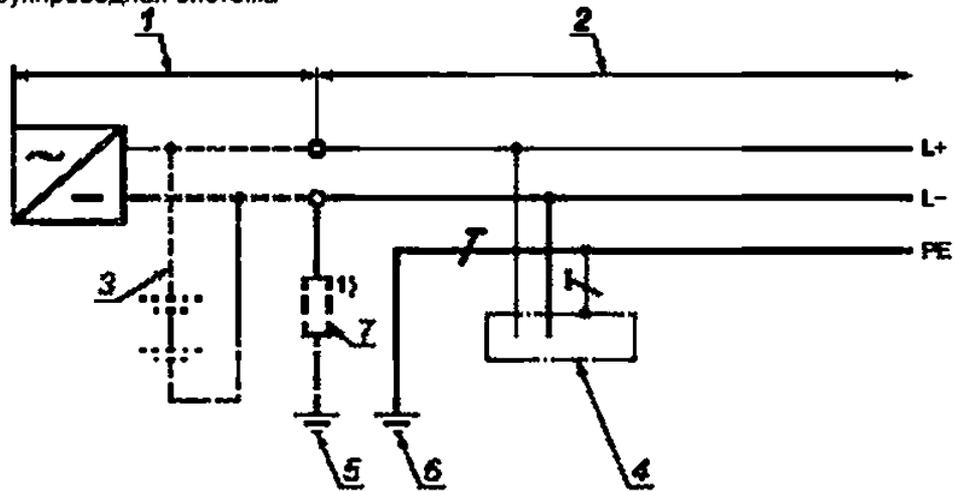
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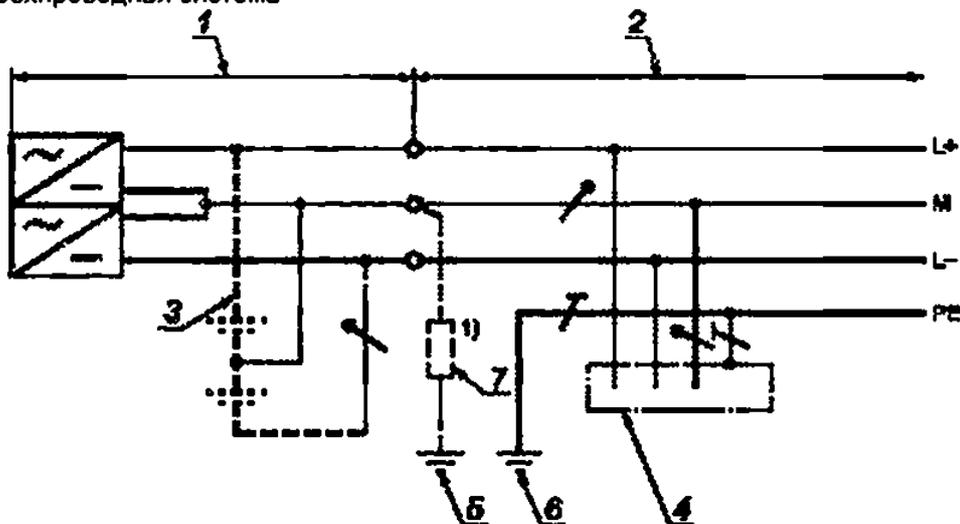
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Тип а) – двухпроводная система



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IEC 60364-4-42:2010	50571.4.42-7012/ 60364-4-42:2010
IEC 60364-4-42:2010	50571.4.43-2012/ 60364-4-43:2008
IEC 60364-4-44:2007	50571-4-44-2011 (60364-4-44:2007)
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IEC 66364-5-51:2665	56571.5.51-2613/ 66364-5-51:2665
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1 60364-5-52:2009	50571.5.53-2013/ 60364-5-53:2002
1 60364-5-54:2011	50571.5.S4-2013/M 60364-5-54:2011
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- (2) IEC 61140:2009 Protection against electric shock. Common aspect for instatation and equipment ()
- (3) IEC 60364-7-701:2006 Low-voltage electnca) installations - Part 7-701: Requirements for special installations or loca- tions - Locations containing a bath or shower (701.) 7. -
- (4) IEC 60364-7-702:2010 Low-voltage electrical installations • Part 7-702: Requirements for special installations or loca- tions - Swimming pools and fountains (702.) 7. -
- (5) IEC 60364-7-703:2004 Electrical instalations of buildings - Part 7-703: Requirements for special installations or loca- tions - Rooms and cabins containing sauna heaters» (703.) 7. -
- (6) ! 60364-7-704:2005 Electrical instalations of buildings - Part 7-704: Requirements (or special installations or loca- tions - Construction and demolition site instalations (704.) 7. -
- (7) IEC 60364-7-705:2006 Low-voltage electrical installations - Part 7-705: Requirements for special installations or loca- tions - Agricultural and horticultural premises (705.) 7. -
- (8) IEC 60364-7-706:2005 Low-voltage electrical installations - Part 7-705: Requirements for special installations or loca- tions Conducting locations with restricted movement (7-706:) -
- (9) IEC 60364-7-708:2007 Low-voltage electrical installations - Part 7-708: Requirements for special installations or loca- tions Caravan parks, camping parks and similar locations (7-708.) -
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- (11) IEC 60364-7-710:2002 Electrical installations of buildings - Part 7-710: Requirements for special installations or loca- tions - Medical locations (7-710.) -
- (12) IEC 60364-7-711:1998 Electrical installations of buildings - Part 7-711: Requirements for special installations or loca- tions - Exhibitions, shows and stands (7-711.) -
- (13) IEC 60364-7-712:2002 Electrical installations of buildings - Part 7-712: Requirements for special installations or loca- tions - Solar photovoltaic (PV) power supply systems (712. ()) 7. -
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- (15) IEC 60364-7-714:2011 Low-voltage electrical installations • Part 7-714 Requirements for special installations or loca- tions. Extremal lighting instaRations (7-714.) -
- (16) IEC 60364-7-7152011 Low-voltags electrical installations - Part 7-715 Requirements for special installations or loca- tions. Extra-low-voilage lighting installations (7. -

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