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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 38329.1-2019

Utility connection in port -- Part 1: High voltage shore connection (HVSC) system -- General requirements

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Foreword

GB/T 38329 `` Port Ship to Shore Connection '' is intended to be divided into the following parts.

--- Part 1. General requirements for high-voltage shore power connection (HVSC) systems;

--- Part 2. Data transmission for monitoring and control of high-voltage and low-voltage shore power connection systems;

This part is the first part of GB/T 38329.

This section is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the translation method equivalently to IEC /ISO /IEEE80005-1..2012 "Port Ship to Shore Connection Part 1. High Voltage Shore Power Connection

Interface (HVSC) system general requirements.

The Chinese documents that have a consistent correspondence with the international documents referenced normatively in the standard are as follows.

--- GB/T 1094.1-2013 Power transformers Part 1. General (IEC 60076-1..2011, MOD);

--- GB/T 1094.2-2013 Power transformers Part 2. Temperature rise of liquid-immersed transformers (IEC 60076-2..2011,

MOD);

--- GB/T 1094.3-2017 Power transformers Part 3. Insulation level, insulation test and external insulation air gap

(IEC 60076-3..2013, MOD);

--- GB/T 1094.4-2005 Power transformers Part 4. Lightning and operating shocks of power transformers and reactors

Test guidelines (IEC 60076-4..2002, MOD);

--- GB/T 1094.5-2008 Power transformers Part 5. Ability to withstand short circuits (IEC 60076-5..2006, MOD);

--- GB/T 1094.6-2011 Power transformers Part 6. Reactors (IEC 60076-6..2007, MOD);

--- GB/T 1094.7-2008 Power transformers Part 7. Load guidelines for oil-immersed power transformers (IEC 60076-7.

2005, MOD);

--- GB/T 1094.10-2003 Power transformers Part 10. Determination of sound level (IEC 60076-10..2001, MOD);

--- GB/T 1094.11-2007 Power transformers Part 11. Dry-type transformers (IEC 60076-11..2004, MOD);

--- GB/T 1094.12-2013 Power transformers Part 12. Load guidelines for dry-type power transformers (IEC 60076-12.

2008, MOD);

--- GB /Z 1094.14-2011 Power transformers Part 14. Design and design of liquid-immersed transformers using high-temperature insulation materials

Application (IEC /T S60076-14..2009, IDT);

--- GB/T 1094.16-2013 Power transformers Part 16. Transformers for wind power generation (IEC 60076-16..2011,

MOD);

--- GB/T 1094.18-2016 Power transformer Part 18. Frequency response measurement (IEC 60076-18..2012, MOD);

--- GB/T 1094.101-2008 Power transformers Part 10.1. Application guidelines for sound level determination (IEC 60076-10-1.

2005, IDT);

--- GB 3836.1-2010 Explosive environment Part 1. General requirements for equipment (IEC 60079-0..2007, MOD);

--- GB 3836.2-2010 Explosive atmospheres Part 2. Equipment protected by flameproof enclosure "d" (IEC 60079-1..2007,

MOD);

--- GB 3836.3-2010 Explosive atmospheres Part 3. Equipment protected by increased safety "e" (IEC 60079-7..2006,

IDT);

--- GB 3836.4-2010 Explosive atmospheres Part 4. Equipment protected by intrinsically safe "i" (IEC 60079-11.

2006, MOD);

--- GB/T 3836.5-2017 Explosive atmospheres Part 5. Equipment protected by positive pressure housing "p" (IEC 60079-2.

2007, MOD);

--- GB/T 3836.6-2017 Explosive atmospheres Part 6. Equipment protected by liquid immersion type "o" (IEC 60079-6..2015,

MOD);

--- GB/T 3836.7-2017 Explosive atmospheres Part 7. Equipment protected by sand-filled "q" (IEC 60079-5..2015,

MOD);

--- GB 3836.8-2014 Explosive atmosphere Part 8. Equipment protected by "n" (IEC 60079-15..2010, MOD);

--- GB 3836.9-2014 Explosive atmospheres Part 9. Equipment protected by potting type "m" (IEC 60079-18..2009,

MOD);

--- GB/T 3836.11-2017 Explosive atmospheres Part 11. Test methods and numbers for classification of gas and vapor substance properties

According to (IEC 60079-20-1..2010, IDT);

--- GB 3836.13-2013 Explosive environment Part 13. Repair, overhaul, repair and modification of equipment (IEC 60079-19.

2010, MOD);

--- GB 3836.14-2014 Explosive atmospheres Part 14. Classification of places explosive atmospheres (IEC 60079-10-1.

2008, IDT);

--- GB/T 3836.15-2017 Explosive atmospheres Part 15. Design, selection and installation of electrical devices (IEC 60079-

14 .2007, MOD);

--- GB/T 3836.16-2017 Explosive atmospheres Part 16. Inspection and maintenance of electrical installations (IEC 60079-17.

2007, IDT);

--- GB 3836.17-2007 Electrical equipment for explosive gas atmospheres-Part 17. Structure and application of positive pressure rooms or buildings

Use (IEC 60079-13. 1982, MOD);

--- GB/T 3836.18-2017 Explosive atmospheres Part 18. Intrinsically safe electrical systems (IEC 60079-25..2010,

MOD);

--- GB 3836.19-2010 Explosive atmospheres Part 19. Fieldbus Intrinsic Safety Concept (FISCO) (IEC 60079-

27 .2008, IDT);

--- GB 3836.20-2010 Explosive atmospheres Part 20. Equipment with protection level (EPL) Ga

(IEC 60079-26..2006, IDT);

--- GB/T 3836.22-2017 Explosive environment Part 22. Protective measures for optical radiation equipment and transmission systems

(IEC 60079-28..2006, MOD);

--- GB/T 3836.24-2017 Explosive atmospheres Part 24. Equipment protected by special type "s" (IEC 60079-33.

2012, MOD);

--- GB/T 5332-2007 Test method for ignition temperature of flammable liquids and gases (IEC 60079-4. 1975, IDT);

--- GB/T 6994-2006 Ship electrical equipment definition and general regulations (IEC 60092-101..2002, IDT);

--- GB/T 12476.3-2017 Electrical equipment for flammable dust environment Part 3. The presence or potential of flammable dust

Location Classification (IEC 60079-10-2..2009 Explosiveatmospheres-Part 10-2. Classificationof

areas-Explosivedustatmospheres, MOD);

--- GB/T 13499-2002 Power transformer application guidelines (idtIEC 60076-8..1997 Powertransformers-Ap-

plicationguide);