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امورتدوین استانداردها

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مشخصات فنی خرید

کنترل کننده تغذیه چراغهای ال ای دی

Controlgear for LED lighting fixtures



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باسلام،

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FOREWORD

This standard is intended to be mainly used by NIGC and contractors, and has been prepared based on interpretation of recognized standards, technical documents, knowledge, backgrounds and experience in natural gas industry at national and international level.

Iranian Gas Standards (IGS) are prepared, reviewed and amended by technical standard committees within NIGC Standardization division and submitted to the NIGC's "STANDARDS COUNCIL" for approval.

IGS Standards are subject to revision, amendment or withdrawal, if required. Thus the latest edition of IGS shall be checked/inquired by NIGC employees and contractors.

This standard must not be modified or altered by NIGC employees or its contractors. Any deviation from normative references and / or well-known manufacturer's specifications must be reported to Standardization division.

The technical standard committee welcomes comments and feedbacks about this standard, and may revise this document accordingly based on the received feedbacks.

GENERAL DEFINITIONS:

Throughout this standard the following definitions, where applicable, should be followed:

- 1- "STANDARDIZATION DIV." is organized to deal with all aspects of standards in NIGC. Therefore, all enquiries for clarification or amendments are requested to be directed to mentioned division.
- 2- "COMPANY": refers to National Iranian Gas Company (NIGC).
- 3- "SUPPLIER": refers to a firm who will supply the service, equipment or material to IGS specification whether as the prime producer or manufacturer or a trading firm.
- 4- "SHALL ": is used where a provision is mandatory.
- 5- "SHOULD": is used where a provision is advised only.
- 6- "MAY": is used where a provision is completely discretionary.

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<u>Contents</u>	<u>Page</u>
1 Scope	2
2 References	2
3 Terms and definitions	3
4 General requirements	5
5 General performance requirements	5
6 General Note on Tests	6
7 Test and Measurements	6
8 Classification	7
9 Connectors	7
10 Terminals	8
11 Marking	8
12 Provisions for protective earthing	9
13 Protection against accidental contact with live parts	9
14 Moisture resistance and insulation	9
15 Conformity testing during manufacture	9
16 Constructions	10
17 Creepage distances and clearances	10
18 Resistance to heat, fire and tracking	10
19 Resistance to corrosion	10
20 DataSheet	11

1- Scope

This Standard specification covers minimum NIGC requirements for LED lighting fixture controlgear for use in general lighting on DC supplies up to 250 V or AC supplies up to 1000 V at 50 Hz and at an output frequency which can deviate from the supply frequency, associated with LED modules.

Note 1: This standard is to be read in conjunction with IGS-M-EL-024-1(0): 2012

Note 2: Particular requirements for stationary independent SELV controlgear, which are part of the wiring in installations, shall be according to Annex I of IEC 61347-2-13.

Note 3: Plug-in controlgear, being part of the luminaires, are covered as for built-in controlgear by the additional requirements of the luminaires standard (IEC 60598-1 and IEC 62722-2-1).

2- References

Throughout this standard specification the following standards are referred to. The editions of these standards that are in effect at the time of issue of this standard specification (2013) shall, to the extent specified herein, form part of this standard specification. The applicability of changes in standards that occur after the date of this standard specification shall be mutually agreed upon by the purchaser and the supplier.

2.1 Normative References

- 1- IEC 61347-2-13:2006, *Controlgear - Particular requirements for d.c. or a.c. Supplied electronic controlgear for LED modules.*
- 2- IEC 62384 -1:2011, *DC or AC supplied electronic controlgear for LED modules – Performance Requirements.*
- 3- IEC 62384 -A1:2009, *DC or AC supplied electronic controlgear for LED modules – Performance Requirements.*
- 4- IEC 61347-1: 2000, *Lamp controlgear - Part 1: General and safety requirements*

2.2 Informative References

- 1-IEC 62504:2011, *General lighting - LEDs and LED modules - Terms and definitions.*
- 2-IEC 61547: *Equipment for general lighting purposes - EMC immunity requirements*
- 3-IEC 62386-207:2009, *Digital addressable lighting interface - Part 207: Particular requirements for controlgear - LED modules (device type 6).*
- 4-IEC 60598-1:2003, *Luminaires – Part 1: General requirements and tests*
- 5-IEC 62031, *LED modules for general lighting – Safety requirements*
- 6- IEC 60838-2-2:2012, *Miscellaneous lamp holders - Part 2-2: Particular requirements - Connectors for LED-modules*
- 7- IEC 60065:2011, *Audio, video and similar electronic apparatus - Safety requirements*
- 8- IEC 60364-4-41:2005, *Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock*
- 9- IEC 60083:2009, *Plugs and socket-outlets for domestic and similar general use standardized in member countries of IEC*