



UL 1773

STANDARD FOR SAFETY

Termination Boxes

[ULNORM.COM](https://ulnorm.com) : Click to view the full PDF of UL 1773 2020

ULNORM.COM : Click to view the full PDF of UL 1773 2020

UL Standard for Safety for Termination Boxes, UL 1773

Sixth Edition, Dated October 9, 2018

Summary of Topics

This revision of ANSI/UL 1773 dated April 22, 2020 includes an Increase Voltage Threshold to 1000 Volts and Expand Requirements for Insulation Materials; [1.1](#), [1.4](#), [13.1](#), [Table 15.1](#), and [Table 15.2](#).

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated November 1, 2019 and January 10, 2020.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of UL.

UL provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if UL or an authorized UL representative has been advised of the possibility of such damage. In no event shall UL's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold UL harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

No Text on This Page

ULNORM.COM : Click to view the full PDF of UL 1773 2020

OCTOBER 9, 2018
(Title Page Reprinted: April 22, 2020)



ANSI/UL 1773-2020

1

UL 1773

Standard for Termination Boxes

Previous numbered and unnumbered editions of standards covering termination boxes have been published since 1988.

First Edition – April, 1988
Second Edition – May, 1993
Third Edition – April, 1998
Fourth Edition – August, 2007
Fifth Edition – October, 2011

Sixth Edition

October 9, 2018

This ANSI/UL Standard for Safety consists of the Sixth Edition including revisions through April 22, 2020.

The most recent designation of ANSI/UL 1773 as an American National Standard (ANSI) occurred on April 22, 2020. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

UL's Standards for Safety are copyrighted by UL. Neither a printed nor electronic copy of a Standard should be altered in any way. All of UL's Standards and all copyrights, ownerships, and rights regarding those Standards shall remain the sole and exclusive property of UL.

COPYRIGHT © 2020 UNDERWRITERS LABORATORIES INC.

No Text on This Page

ULNORM.COM : Click to view the full PDF of UL 1773 2020

CONTENTS

INTRODUCTION

1	Scope	5
2	Components	5
3	Units of Measurement	6
4	Undated References	6
5	Glossary	6

CONSTRUCTION

6	Enclosure	6
6.1	General	6
6.2	Conduit connections	7
6.3	Provision for support	7
6.4	Enclosures containing inlet assemblies	8
7	Mounting Post or Pedestal	8
7.1	General	8
7.2	Cover	9
7.3	Grade level	9
7.4	Wire opening	9
7.5	Instructions	9
7.6	Mounting provision	9
7.7	Luminaires (illuminated mounting posts and pedestals)	10
8	Ventilation Openings	10
9	Wire Bending Space	11
10	Wiring Terminals	15
10.1	General	15
10.2	Tightening torque	17
10.3	Screw terminals	17
10.4	Multiple pole power inlets	17
10.5	Single pole power inlets	18
11	Current-Carrying Parts	19
12	Termination Bases	19
13	Bases and Supports – Insulation Material	19
14	Provision for Bonding and Grounding	19
15	Spacings	21
15.1	General	21
15.2	Insulating barriers	23

PERFORMANCE

16	Short-Circuit Current Test	25
17	Strength Test of Insulating Base and Support	26
18	Dielectric Voltage-Withstand Test	26
18.1	General	26
18.2	Clamped insulating joint	27
18.3	Insulating barriers	27
19	Torque Deformation Test	27
20	Beam Loading Deflection Test	29
21	Deflection Test	29
22	Conduit Connection Tests	30
23	Rain and Splash Test	30
24	Inlet Assemblies	30

24.1	General	30
24.2	Temperature test – inlet assemblies	30
25	Illuminated Mounting Posts and Pedestals	31
25.1	Temperature test	31

RATINGS

26	General	31
27	Short-Circuit Current	32

MARKINGS

28	General	32
28.1	Location	32
28.2	External conditions	33
28.3	Terminals	33
28.4	Short circuit	34
28.5	Special openings	35
28.6	Use on line side of service equipment	35
28.7	Grade level	36
28.8	Conduit connections	36
28.9	Inlet assemblies	36
28.10	Illuminated mounting posts and pedestals	37
29	Permanence of Marking	37

APPENDIX A Standards for Components

ULNORM.COM : Click to view the full PDF of UL 1773 2020