

**Thomas and Betts Corporation
Product Guide Specification**

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including *MasterFormat*, *SectionFormat*, and *PageFormat*, as described in *The Project Resource Manual—CSI Manual of Practice, Fifth Edition*.

This section must be carefully reviewed and edited by the Architect or Engineer to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all "Specifier Notes" after editing this section.

Section numbers are from *MasterFormat 2010 Update*.

**SECTION 26 05 33.18
WEATHERPROOF BOXES AND COVERS**

Specifier Notes: Delete any information below in Parts 1, 2 or 3 which is not required or relevant for the project.

PART 1 – GENERAL

1.01 SUMMARY

- A. This section includes metallic single gang boxes, two gang boxes, round boxes, blank covers, device covers, flip-lid covers, in-use weatherproof covers (metallic and non-metallic) for use in damp and wet locations.

1.02 REFERENCES

- A. Underwriters Laboratories, Inc. (UL):
 - 1. UL 514A Metallic Outlet Boxes
 - 2. UL 514D Cover Plates for Flush-Mounted Wiring Devices
- B. Canadian Standard Association (CSA):
 - 1. CSA C22.2 No. 18 Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware
 - 2. CSA C22.2 No. 18.1 Metallic Outlet Boxes
 - 3. CSA C22.2 No. 42 Cover Plates for Flush-Mounted Wiring Devices
 - 4. CSA C22.1 Canadian Electrical Code Part I
- C. National Fire Protection Association (NFPA):
 - 1. NFPA 70 National Electrical Code (NEC)
- D. Federal Specification:
 - 1. W-C-586D/A-A 50563 Outlet Boxes, Bodies, And Entrance Caps, Electrical: Cast Metal
- E. National Electrical Manufacturers Association (NEMA)
 - 1. NEMA 250 Enclosures for Electrical Equipment (1000 Volts Maximum)
- F. NSF, The Public Health and Safety Organization (NSF)
 - 1. NSF-169 Special Purpose Food Equipment and Devices

1.03 SUBMITTALS

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data:
 - 1. Submit manufacturer's descriptive literature and product specifications for each product.

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2. Manufacturer's product drawings.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Products shall be free of defects in material and workmanship.
- B. Furnished products are recognized, listed or classified by third party agencies as suitable for the intended purpose.

1.05 WARRANTY

- A. Product is warranted free of defects in material and workmanship.
- B. Product is warranted to perform the intended function within design limits.

PART 2 – PRODUCTS

2.01 GENERAL

- A. Weatherproof boxes and covers shall be UL Listed and CSA Certified or equivalent in accordance with the applicable code.

2.02 MANUFACTURERS

- A. Acceptable Manufacturers:
Thomas & Betts Corporation
8155 T&B Blvd
Memphis, TN 38125
800-816-7809, 901-252-5000
www.tnb.com

Product: Red-Dot® Weatherproof Boxes & Covers
Red-Dot® SSE Box & Cover
Carlton® Weatherproof Boxes & Covers

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2.03 DESIGN AND PERFORMANCE REQUIREMENTS

1. Red-Dot® Boxes & Covers and Carlon® Boxes & Covers

- A. All weatherproof boxes shall be die cast aluminum or zinc.
- B. All in-use weatherproof covers shall be UV resistant polycarbonate, die cast aluminum or zinc.
- C. Weatherproof boxes and covers shall have a NEMA 3R rating.
- D. Metallic weatherproof boxes and covers shall comply with federal specification W-C-586D/A-A 50563
- E. Weatherproof boxes shall be CSA certified with a factory installed ground screw.
- F. The following Red-Dot® while in use covers shall be rated Extra Duty in accordance with NEC section 406.9(B).
 - 1. 2CKU
 - 2. CKMU
 - 3. CKLSVU
 - 4. CKMUV
 - 5. CKSUV

2. SSE – Stainless Steel While In Use Box & Cover

- A. SSE shall be stainless steel.
- B. All SSE boxes and covers shall comply with NSF-169
- C. SSE boxes and covers shall be ‘NEMA 4X (watertight) When Cover is Closed’
- D. SSE boxes and covers shall comply with federal specification W-C-586D/A-A 50563
- E. SSE shall be CSA certified with a factory installed ground screw.
- F. The SSE boxes & covers shall be rated Extra Duty in accordance with NEC section 406.9(B).

PART 3 – EXECUTION

3.01 INSTALLATION

- A. When installed in a “Wet Location”, as defined by the NEC, all installations shall be in accordance with NEC section 406.9(B) and CEC where applicable and the manufacturer’s instructions.
- B. When installed in a “Damp or Wet Location”, as defined by the NEC, all installations shall be in accordance with NEC section 314.15 and CEC where applicable and the manufacturer’s instructions.
- C. When installed in temporary locations as defined by the NEC, all installations shall be in accordance with NEC section 590.4(D)(1) and section 590.4(D)(2) for wet locations.

END OF SECTION

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