

Certificate of Compliance

Certificate: 2329965

Master Contract: 161378

Project: 2331011

Date Issued: September 8, 2010

Issued to: **ABB France**

**Activité Raccordement, BP 114
10 rue Ampères
Chassieu Cedex, 69685
France
Attention: Laurence Pionchon**

The products listed below are eligible to bear the CSA Mark shown



Pierre-Luc Avoine

Issued by: Pierre-Luc Avoine, Eng.

PRODUCTS

CLASS 6228 01 - WIRE CONNECTING DEVICES - Terminal Assemblies

Screw-tightening pressure type terminal block Series ZS, Cat. Nos. ZS followed by 4, 6, 10, 16 or 70, followed by -PE, -SF, -SF-T2, -SF1, -SF1-T2, -S, -S-T2, -S-T2.3, -SP, -SP-T2, -R1, -SF-R1, -SF-R2, -SF-R3, -SF-R4, -SF1-R1, -SF1-R2, -SF1-R3, -SF1-R4, -S-R1, -S-T2-R1, -S-T2.3-R1, -SP-R1, -SP-T2-R1, -S-R2, -S-R3, -D1, -D2 or blank, followed by BL, OR, YL, GN, RD, PR, BR, WH, BK or blank.

Screw-tightening pressure type terminal Blocks Series ZS, Cat. No. ZS95-PE.

Ratings:

ZS4, 24-12 AWG, SOL/STR, 0.5-0.7 Nm, 600 V, 20 A, Group Designation B,C

ZS6, 24-10 AWG, SOL/STR, 0.7-1.0 Nm, 600 V, 30 A, Group Designation B,C

ZS10, 24-6 AWG, SOL/STR, 1.0-1.6 Nm, 600 V, 42 A, Group Designation B,C (1)

ZS16, 24-4 AWG, SOL/STR, 1.6-2.4 Nm, 600 V, 67 A, Group Designation B,C (1)

ZS4-PE, 24-12 AWG, SOL/STR, 0.5-0.7 Nm, Group Designation B,C

ZS6-PE, 24-10 AWG, SOL/STR, 0.7-1.0 Nm, Group Designation B,C

ZS10-PE, 24-6 AWG, SOL/STR, 1.0-1.6 Nm, Group Designation B,C (1)



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ZS16-PE, 24-4 AWG, SOL/STR, 1.6-2.4 Nm, Group Designation B,C (1)
ZS4-SF, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 6.3 A, Group Designation A, B, C, D
ZS4-SF-R1, ZS4-SF-R2, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V (2), 6.3 A, Group Designation A, B, C
ZS4-SF-R3, ZS4-SF-R4, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 6.3 A, Group Designation A, B, C
ZS4-SF-T2, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 6.3 A, Group Designation A, B, C, D
ZS4-SF1, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 300 V, 6.3 A, Group Designation B, C, D
ZS4-SF1-R1, ZS4-SF1-R2, 24-10AWG, SOL/STR, 0.5-0.7 Nm, 300 V (2), 6.3 A, Group Designation B, C
ZS4-SF1-R3, ZS4-SF1-R4, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 300 V, 6.3 A, Group Designation B, C
ZS4-SF1-T2, 24-10AWG, SOL/STR, 0.5-0.7 Nm, 300 V, 6.3 A, Group Designation B, C, D
ZS4-S, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 25 A, Group Designation B,C
ZS4-S-T2, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 25 A, Group Designation B,C
ZS4-S-T2.3, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 25 A, Group Designation B,C
ZS4-SP, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 18 A, Group Designation B,C
ZS4-SP-T2, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 18 A, Group Designation B,C
ZS4-R1, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 300 V, 26 A, Group Designation B,C
ZS4-S-R1, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 26 A, Group Designation B,C
ZS4-S-T2-R1, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 26 A, Group Designation B,C
ZS4-S-T2.3-R1, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 26 A, Group Designation B,C
ZS4-SP-R1, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 20 A, Group Designation B,C
ZS4-SP-T2-R1, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 20 A, Group Designation B,C
ZS4-S-R2, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 150 V, 13 A, Group Designation A, B, C, D
ZS4-S-R3, 24-10 AWG, SOL/STR, 0.5-0.7 Nm, 300 V, 18 A, Group Designation B,C
ZS4-D1, 24-12 AWG, SOL/STR, 0.5-0.7 Nm, 300 V, 20 A, Group Designation B,C
ZS4-D2, 24-12 AWG, SOL/STR, 0.5-0.7 Nm, 300 V, 20 A, Group Designation B,C
ZS6-D1, 24-10 AWG, SOL/STR, 0.7-1.0 Nm, 300 V, 30 A, Group Designation B,C



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ZS6-D2, 24-10 AWG, SOL/STR, 0.7-1.0 Nm, 300 V, 30 A, Group Designation B,C

ZS70, 4-2/0 AWG, STR, 6.0-7.0 Nm, 600 V, 159 A, Group Designation B,C (1)

ZS70-PE, 4-2/0 AWG, STR, 6.0-7.0 Nm, Group Designation B,C (1)

ZS95-PE, 2-4/0 AWG, STR, 9.0-9.5 Nm, Group Designation B,C (1)

Notes:

(1) - Maximum Solid wire is 10AWG.

(2) - Models ZS4-SF-R1, ZS4-SF-R2, ZS4-SF1-R1 and ZS4-SF1-R2 will be used under 60V maximum because electronic element is 24-60V rated.

(D) - Group Designation D - These limited ratings are applicable to a terminal block for use in or with industrial control equipment whereby the load on any single circuit of the terminal block does not exceed 15 A at 51-150 V, 10 A at 151-300 V, or 5 A at 301-600 V, or the maximum ampere rating, whichever is less.

Notes:

1. The terminal blocks are certified as components for use in certified equipment where the acceptability of the combination is to be determined by CSA.
2. The catalogue numbers may be completed with suffixes indicating color of body.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 158-10 - Terminal Blocks