

File E184763
Project 4791608695

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REPORT

on

COMPONENT - Terminal Blocks for Use in Zone Classified Hazardous Locations -
Component

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DESCRIPTION

PRODUCT COVERED:

USR and CNR Recognized Component - Terminal Blocks, Cat. Nos. S, followed by 2C, 3C, or 4C, followed by 2.5, may be followed by DL, may be followed by two to four letters, denoting color of the insulating base: GN, RD, BK, OG, YE, BU, VT, GY, WH, PK as example.

USR, CNR Component - Protective Conductor Terminal Blocks, Cat. Nos. S, followed by 2C, 3C, or 4C, followed by 2.5, followed by PE, may be followed by DL.

USR and CNR Recognized Component - Two Tier Terminal Blocks, Cat. Nos. S2T, followed by 2.5, may be followed by VL or FT-PE, may be followed by DL, may be followed by two to four letters, denoting color of the insulating base: GN, RD, BK, OG, YE, BU, VT, GY, WH, PK as example.

USR, CNR Component - Two Tier Protective Conductor Terminal Blocks, Cat. Nos. S2T, followed by 2.5, followed by PE, may be followed by DL.

USR and CNR Recognized Component - Terminal Blocks, Cat. Nos. S, followed by 2C, 3C, or 4C, followed by 4, may be followed by DL, may be followed by two to four letters, denoting color of the insulating base: GN, RD, BK, OG, YE, BU, VT, GY, WH, PK as example.

USR, CNR Component - Protective Conductor Terminal Blocks, Cat. Nos. S, followed by 2C, 3C, or 4C, followed by 4, followed by PE, may be followed by DL.

For use in Class I, Zone 1, AEx eb IIC Gb and Class I, Zone 1, Ex eb IIC Gb hazardous locations.

GENERAL:

The terminal blocks covered by this Report are of the cage clamp type. They can be mounted by snap-in or rail methods. The devices are suitable for industrial use within the ratings specified below.

For factory and field wiring unless otherwise indicated.

RATINGS:

Table 1

Cat. No.	Wire Range AWG	Wire Type	Voltage [V] Industrial general	Voltage [V] HazLoc	Current A	Stripping length
S2C 2.5 (...), S3C 2.5 (...), S4C 2.5 (...)	22-14 sol/str; 12 str	Cu	600	550	20	10 mm
S2C 2.5 PE (...), S3C 2.5 PE (...), S4C 2.5 PE (...)	22-14 sol/str; 12 str	Cu	N/A	N/A	N/A	10 mm
S2T 2.5 (...)	22-14 sol/str	Cu	600	550	15	10 mm
S2T 2.5 FT- PE(...) (#)	12 str	Cu	600	550	20	10 mm
S2T 2.5 PE (...)	22-14 sol/str; 12 str	Cu	N/A	N/A	N/A	10 mm
S2C 4 (...), S3C 4 (...), S4C 4 (...)	20-10 sol/str	Cu	600	550	30	12 mm
S2C 4 PE (...), S3C 4 PE (...), S4C 4 PE (...)	20-10 sol/str	Cu	N/A	N/A	N/A	12 mm

Note (#) - Only Lower Lever of model S2T 2.5 FT-PE(...) is grounded, upper deck is through terminal block.

Note (...) - refer to Nomenclature for suffixes.

ENGINEERING CONSIDERATIONS (NOT FOR UL REPRESENTATIVE'S USE):

USL - Products designated USL have been investigated using US requirements as noted in the Test Record.

CNL - Products designated CNL have been investigated using Canadian requirements as noted in the Test Record, .

Note - CNL - Canadian National Standards Listed.
USL - United States Standards Listed.

NOTE: The products are also recognized (XCFR2/8) for Ordinary Locations under the applicant's File E60693, Vol. 1, Sec. 132 and Sec. 142. Refer to Table 2 for details. Should the above mentioned Procedure Files be withdrawn, labeling under this Procedure must be discontinued until authorization to resume is received. In the case of any discrepancy between this File and File E60693, Vol. 1, Sec. 132 or Sec. 142, this file has precedence.

NOMENCLATURE for one tier models:

Example:

S	2C	2.5	PE	DL	BL
1	2	3	4	5	6

1 - Series Designation

S - SnapIn One Tier Terminal Blocks and Protective Conductor Terminal Blocks

2 - No of wiring terminals

2C - two

3C - three

4C - four

3 - Size of wiring terminals

2.5 - AWG22-12

4 - AWG20-10

4 - Type of terminal block

Blank - feed through

PE - protective earth

5 - Special Feature

DL - provided with markers snapped to the moulding

Blank - no special feature

6 - Color of insulating material

Blank - standard color grey, or for PE terminal block (green -yellow)

XX to XXXX - any color covered by the plastic yellow card

Note: for feed through Terminal Blocks all colors, except green - yellow are allowed according to UL yellow cards.

NOMENCLATURE for two tier models:

Example:

S2T	2.5	VL	DL	BL
1	2	3	4	5

1 - Series Designation

S2T - SnapIn two tier Terminal Blocks and Protective Conductor Terminal Blocks

2 - Size of wiring terminals

2.5 - AWG22-12

4 - Type of terminal block

Blank - feed through

VL - with vertical link between the upper and lower current bars

FT-PE - upper tier feed through, lower tier protective earth

PE - protective earth

5 - Special Feature

DL - provided with markers snapped to the molding

Blank - no special feature

6 - Color of insulating material

Blank - standard color grey, or for PE terminal block (green -yellow)

XX to XXXX - any color covered by the plastic yellow card