

SIMATIC S7-1500, Front connector in push-in design, 40-pole for 25 mm wide modules and compact CPUs of the S7-1500, incl. cable tie

| Connection method                                                                                            |        |                                                                                                                               |                |
|--------------------------------------------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------|----------------|
| Connection I/O signals                                                                                       |        |                                                                                                                               |                |
| <ul style="list-style-type: none"><li>• Connection method</li><li>• Number of lines per connection</li></ul> |        | Push-in terminal<br>1; or max. 8x 2 conductors to 1.5 mm² (in total) in a shared end sleeve and max. 32x 0.75 mm² single core |                |
| Conductor cross-section in mm²                                                                               |        |                                                                                                                               |                |
| — Connectable cable cross-sections for massive cables, min.                                                  |        | 0.25 mm²                                                                                                                      |                |
| — Connectable cable cross-sections for massive cables, min.                                                  |        | 1.5 mm²; max. 32x 0.75 mm², 8x 1.5 mm²                                                                                        |                |
| — Connectable cable cross-sections for flexible cables without end sleeve, min.                              |        | 0.25 mm²                                                                                                                      |                |
| — Connectable cable cross-sections for flexible cables without end sleeve, max.                              |        | 1.5 mm²; max. 32x 0.75 mm², 8x 1.5 mm²                                                                                        |                |
| — Connectable cable cross-sections for flexible cables with end sleeve, min.                                 |        | 0.25 mm²                                                                                                                      |                |
| — Connectable cable cross-sections for flexible cables with end sleeve, max.                                 |        | 1.5 mm²; max. 32x 0.75 mm², 8x 1.5 mm²                                                                                        |                |
| Conductor cross-section acc. to AWG                                                                          |        |                                                                                                                               |                |
| — Connectable cable cross-sections for massive cables, min.                                                  |        | 24                                                                                                                            |                |
| — Connectable cable cross-sections for massive cables, min.                                                  |        | 16; max. 32x AWG 19, 8x AWG 16                                                                                                |                |
| — Connectable cable cross-sections for flexible cables without end sleeve, min.                              |        | 24                                                                                                                            |                |
| — Connectable cable cross-sections for flexible cables without end sleeve, max.                              |        | 16; max. 32x AWG 19, 8x AWG 16                                                                                                |                |
| — Connectable cable cross-sections for flexible cables with end sleeve, min.                                 |        | 24                                                                                                                            |                |
| — Connectable cable cross-sections for flexible cables with end sleeve, max.                                 |        | 16; max. 32x AWG 19, 8x AWG 16                                                                                                |                |
| Wire end processing                                                                                          |        |                                                                                                                               |                |
| — Stripped length of cables, min.                                                                            |        | 8 mm                                                                                                                          |                |
| — Stripped length of cables, max.                                                                            |        | 11 mm                                                                                                                         |                |
| — End sleeve acc. to DIN 46228 without plastic sleeve                                                        |        | Form A, 10 mm long                                                                                                            |                |
| — End sleeve acc. to DIN 46228 with plastic sleeve                                                           |        | Form E, 8 mm and 10 mm long                                                                                                   |                |
| Mounting                                                                                                     |        |                                                                                                                               |                |
| — Tool                                                                                                       |        | Screwdriver, conical design, 3 mm to 3.5 mm                                                                                   |                |
| Dimensions                                                                                                   |        |                                                                                                                               |                |
| Width                                                                                                        |        | 19.8 mm                                                                                                                       |                |
| Height                                                                                                       |        | 130.5 mm                                                                                                                      |                |
| Depth                                                                                                        |        | 43 mm                                                                                                                         |                |
| Weights                                                                                                      |        |                                                                                                                               |                |
| Weight, approx.                                                                                              |        | 123 g                                                                                                                         |                |
| Classifications                                                                                              |        |                                                                                                                               |                |
|                                                                                                              |        | Version                                                                                                                       | Classification |
|                                                                                                              | eClass | 16                                                                                                                            | 27-24-22-92    |
|                                                                                                              | eClass | 14                                                                                                                            | 27-24-22-92    |
|                                                                                                              | eClass | 12                                                                                                                            | 27-24-22-92    |
|                                                                                                              | eClass | 9.1                                                                                                                           | 27-24-22-92    |
|                                                                                                              | eClass | 9                                                                                                                             | 27-24-22-92    |
|                                                                                                              | eClass | 8                                                                                                                             | 27-24-92-90    |

|        |     |             |
|--------|-----|-------------|
| eClass | 7.1 | 27-24-92-90 |
| eClass | 6   | 27-24-92-90 |
| ETIM   | 10  | EC002584    |
| ETIM   | 9   | EC002584    |
| ETIM   | 8   | EC002584    |
| ETIM   | 7   | EC002584    |
| IDEA   | 4   | 3552        |
| UNSPSC | 15  | 32-15-17-03 |

Approvals / Certificates

General Product Approval



General Product Approval

For use in hazardous locations



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last modified:

5/13/2025