



SIMATIC S7-1500, Front connector Screw-type connection system, 40-pole for 35 mm wide modules incl. 4 potential bridges, and cable ties

| connection method                                                               |                                                                                            |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Connection I/O signals                                                          |                                                                                            |
| • Connection method                                                             | Screw terminals                                                                            |
| • Number of lines per connection                                                | 1; or combination of 2 conductors of up to 1.5 mm <sup>2</sup> (total) in a shared ferrule |
| Conductor cross-section in mm <sup>2</sup>                                      |                                                                                            |
| — Connectable cable cross-sections for massive cables, min.                     | 0.25 mm <sup>2</sup>                                                                       |
| — Connectable cable cross-sections for massive cables, min.                     | 1.5 mm <sup>2</sup>                                                                        |
| — Connectable cable cross-sections for flexible cables without end sleeve, min. | 0.25 mm <sup>2</sup>                                                                       |
| — Connectable cable cross-sections for flexible cables without end sleeve, max. | 1.5 mm <sup>2</sup>                                                                        |
| — Connectable cable cross-sections for flexible cables with end sleeve, min.    | 0.25 mm <sup>2</sup>                                                                       |
| — Connectable cable cross-sections for flexible cables with end sleeve, max.    | 1.5 mm <sup>2</sup>                                                                        |
| Conductor cross-section acc. to AWG                                             |                                                                                            |
| — Connectable cable cross-sections for massive cables, min.                     | 24                                                                                         |
| — Connectable cable cross-sections for massive cables, min.                     | 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                                                                                         |
| — Connectable cable cross-sections for flexible cables with end sleeve, min.    | 24                                                                                         |
| — Connectable cable cross-sections for flexible cables with end sleeve, max.    | 16                                                                                         |
| Wire end processing                                                             |                                                                                            |
| — Stripped length of cables, min.                                               | 10 mm                                                                                      |
| — Stripped length of cables, max.                                               | 11 mm                                                                                      |
| — End sleeve acc. to DIN 46228 without plastic sleeve                           | Form A, 10 mm and 12 mm long                                                               |
| — End sleeve acc. to DIN 46228 with plastic sleeve                              | Form E, 10 mm and 12 mm long                                                               |
| Mounting                                                                        |                                                                                            |
| — Tool                                                                          | Screwdriver, conical design, 3 mm to 3.5 mm                                                |
| — Tightening torque, min.                                                       | 0.4 N·m                                                                                    |
| — Tightening torque, max.                                                       | 0.7 N·m                                                                                    |
| Dimensions                                                                      |                                                                                            |
| Width                                                                           | 29.8 mm                                                                                    |
| Height                                                                          | 130.5 mm                                                                                   |
| Depth                                                                           | 46 mm                                                                                      |
| Weights                                                                         |                                                                                            |

|                 |       |
|-----------------|-------|
| Weight, approx. | 123 g |
|-----------------|-------|

| Classifications |        |         |                |
|-----------------|--------|---------|----------------|
|                 |        | Version | Classification |
|                 | 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 | For use in hazardous locations |



[Manufacturer Declaration](#)



| For use in hazardous locations |
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[FM](#)



[FM](#)

[CCC-Ex](#)



| For use in hazardous locations |
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[Type Examination Certificate](#)

[Miscellaneous](#)

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