




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

| General information   |  |
|---|--|
| Product type designation  | Front connector  |
| 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   |
| <b>Weights</b>        |   |
| Weight, approx.       | 123 g   |
| <b>last modified:</b> | 3/12/2024  |