



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 ² (total) in a shared ferrule |
| Conductor cross-section in mm ² | |
| — Connectable cable cross-sections for massive cables, min. | 0.25 mm ² |
| — Connectable cable cross-sections for massive cables, min. | 1.5 mm ² |
| — Connectable cable cross-sections for flexible cables without end sleeve, min. | 0.25 mm ² |
| — Connectable cable cross-sections for flexible cables without end sleeve, max. | 1.5 mm ² |
| — Connectable cable cross-sections for flexible cables with end sleeve, min. | 0.25 mm ² |
| — Connectable cable cross-sections for flexible cables with end sleeve, max. | 1.5 mm ² |
| 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

[FM](#)



[CCC-Ex](#)

[FM](#)



[Type Examination Certificate](#)

For use in hazardous locations



[Miscellaneous](#)

last modified:

4/7/2025