



SIMATIC S7-300, Front connector for signal modules with screw contacts, 20-pole

| General information | |
|---|--|
| Product type designation | Front connector |
| Ambient conditions | |
| Ambient temperature during operation | |
| • min. | 0 °C |
| • max. | 60 °C |
| Ambient temperature during storage/transportation | |
| • min. | -40 °C |
| • max. | 70 °C |
| Accessories | |
| belongs to product | S7-300 |
| 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. | 6 mm |
| — Stripped length of cables, max. | 6 mm |

- End sleeve acc. to DIN 46228 without plastic sleeve Design A, 5 mm to 7 mm long
- End sleeve acc. to DIN 46228 with plastic sleeve Design E, up to 6 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 | 23 mm |
| Height | 131 mm |
| Depth | 36 mm |

Weights

| | |
|-----------------|------|
| Weight, approx. | 70 g |
|-----------------|------|

last modified: 3/12/2024 