



SIMATIC S7-300, Front connector with screw contacts, 40-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 / header | |
| Connection I/O signals | |
| • Connection method | Screw terminals |
| • Number of lines per connection | 1; Or 2 cables up to 0.75 mm ² (total) in a shared end sleeve |
| 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. | 0.75 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. | 0.75 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. | 0.75 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. | 19 |
| — Connectable cable cross-sections for flexible cables without end sleeve, min. | 24 |
| — Connectable cable cross-sections for flexible cables without end sleeve, max. | 19 |
| — Connectable cable cross-sections for flexible cables with end sleeve, min. | 24 |
| — Connectable cable cross-sections for flexible cables with end sleeve, max. | 19 |
| 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 | 21.6 mm |
| Height | 125 mm |
| Depth | 40.9 mm |

Weights

| | |
|-----------------|-------|
| Weight, approx. | 137 g |
|-----------------|-------|

last modified: 1/19/2021 