



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 <sup>2</sup> (total) in a shared end sleeve |
| 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.                     | 0.75 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. | 0.75 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.    | 0.75 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.                     | 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 