



SIMATIC S7-300, Front connector for signal modules with spring-loaded 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                                                               |                                                                          |
| Connection I/O signals                                                          |                                                                          |
| • Connection method                                                             | Spring 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                                 | 19                                                                       |

|                                                       |                                                                                             |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------|
| cables with end sleeve, max.                          |                                                                                             |
| <b>Wire end processing</b>                            |                                                                                             |
| — 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                                                                   |
| <b>Dimensions</b>                                     |                                                                                             |
| Width                                                 | 21.6 mm                                                                                     |
| Height                                                | 126 mm                                                                                      |
| Depth                                                 | 40.9 mm                                                                                     |
| <b>Weights</b>                                        |                                                                                             |
| Weight, approx.                                       | 98 g                                                                                        |
| <b>last modified:</b>                                 | 1/19/2021  |