

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

### 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>
<b>Conductor cross-section acc. to AWG</b>	
— 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
<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>Mounting</b>	
— Tool	Screwdriver, conical design, 3 mm to 3.5 mm
— Tightening torque, min.	0.4 N·m
— Tightening torque, max.	0.7 N·m
<b>Dimensions</b>	
Width	21.6 mm
Height	125 mm
Depth	40.9 mm
<b>Weights</b>	
Weight, approx.	137 g

last modified:

07/10/2020