

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



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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 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.
- Connectable cable cross-sections for massive cables, min.
- Connectable cable cross-sections for flexible cables without end sleeve, min.
- Connectable cable cross-sections for flexible cables without end sleeve, max.
- Connectable cable cross-sections for flexible cables with end sleeve, min.
- Connectable cable cross-sections for flexible cables with end sleeve, max.

0.25 mm²
 1.5 mm²
 0.25 mm²
 1.5 mm²
 0.25 mm²
 1.5 mm²

Conductor cross-section acc. to AWG

- Connectable cable cross-sections for massive cables, min.
- Connectable cable cross-sections for massive cables, min.
- Connectable cable cross-sections for flexible cables without end sleeve, min.
- Connectable cable cross-sections for flexible cables without end sleeve, max.
- Connectable cable cross-sections for flexible cables with end sleeve, min.
- Connectable cable cross-sections for flexible cables with end sleeve, max.

24
 16
 24
 16
 24
 16

Wire end processing

- Stripped length of cables, min.
- Stripped length of cables, max.
- End sleeve acc. to DIN 46228 without plastic sleeve
- End sleeve acc. to DIN 46228 with plastic sleeve

6 mm
 6 mm
 Design A, 5 mm to 7 mm long
 Design E, up to 6 mm long

Dimensions

Width	23 mm
Height	131 mm
Depth	36 mm

Weights

Weight, approx.	61 g
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last modified: 05/28/2020