

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



## General information

Product type designation	Front connector
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## 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
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## Connection method

### Connection I/O signals

- |                                  |                                                                                            |
|----------------------------------|--------------------------------------------------------------------------------------------|
| • Connection method              | Screw terminals                                                                            |
| • Number of lines per connection | 1; or combination of 2 conductors of up to 1.5 mm <sup>2</sup> (total) in a shared ferrule |

Conductor cross-section in mm <sup>2</sup>
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— Connectable cable cross-sections for massive cables, min.	0.25 mm <sup>2</sup>
— Connectable cable cross-sections for massive cables, min.	1.5 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.	1.5 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.	1.5 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.	16
— Connectable cable cross-sections for flexible cables without end sleeve, min.	24
— Connectable cable cross-sections for flexible cables without end sleeve, max.	16
— Connectable cable cross-sections for flexible cables with end sleeve, min.	24
— Connectable cable cross-sections for flexible cables with end sleeve, max.	16
<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	23 mm
Height	131 mm
Depth	36 mm
<b>Weights</b>	
Weight, approx.	70 g

last modified:

10/22/2019