



SIMATIC S7-300, Front connector for signal modules with screw contacts, 20-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 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>	
— 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>
Conductor cross-section acc. to AWG	
— 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

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	23 mm
Height	131 mm
Depth	36 mm
Weights	
Weight, approx.	70 g
<b>last modified:</b>	12/18/2020 